

LOP Concurrence Summary Table

| KYTC Item #: 8-165.01 / 8-260.02 / 8-260.10 | | Description: US 127 Albany Bypass (Clinton County) | | |
|--|-----|--|------------|---|
| Documentation Type EIS, FONSI, CE#, SPI: | | | | |
| # | Y/N | LOP Concurrence Points | Date | Comments |
| 1 | Y | Purpose and Need | 10/16/2007 | Safety improvement (reduction of boat & truck traffic) |
| 2 | Y | Review Alternates | 10/16/2007 | Design has been approved and only final alternate remains determined by cost |
| 3 | Y | Cursory Review of Impacts | 10/16/2007 | Impacts reviewed & presented – LOP team wants JD forms |
| 4 | Y | Detailed Review of Impacts | 03/18/2008 | concurrence dependant on JD forms – JD forms now submitted |
| 5 | N | Determine which impacts require a field visit | 10/16/2007 | LOP team including Phil D. would like to visit site. |
| 6 | Y | Is KYTC-recommended alternate acceptable to LOP team? If not, identify preferred alternate in comments or footnote | 10/16/2007 | LOP team agrees that design engineers have chosen appropriately for road location due to site topography, houses, Arch. Sites and overall cost of cut and fill that the current road alignment is most feasible for area. |
| 7 | Y | Identify Final Alternate | 10/16/2007 | Presented at LOP meeting |
| 8 | Y | Agree on Minimization | 10/16/2007 | Project has undergone minimization efforts before 404/401 applications developed |
| 9 | Y | Agree on Mitigation | 10/16/2007 | Mitigation will be in the form of in-lieu fees to the KDFWR. |
| 10 | N | Section 7 clearance | 10/16/2007 | BA in 2005, grey bat present. New BA needs to address bat issue and possible use of IBCF. |
| 11 | N | Section 106 clearance | 10/16/2007 | PII will be performed soon. PI access denied and will be granted soon and SHPO concurrence will be applied for. |
| 12 | N | General WQC approved | 10/16/2007 | Project will require an Individual WQC due to impacts. |

LOP Concurrence Summary Table – NOTES

KYTC Item Number:

Revision Date:

- JD forms required HMB has been hired to do these.
- Total area impacts are less than 7 acres
- PII Arch will be completed soon and PI we will gain access to site soon and submit all findings to SHPO
- New BA will require Bat mitigation with possible use of IBCF fund.

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)

OMB APPROVAL NO. 0710-0003
Expires December 31, 2004

The public reporting burden for this collection of information is estimated to average 10 hours per response, although the majority of applications should require 5 hours or less. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003), Washington, DC 20503. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies. Submission of requested information is voluntary, however, if information is not provided, the permit application cannot be processed nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

| | | | |
|--------------------|----------------------|------------------|-------------------------------|
| 1. APPLICATION NO. | 2. FIELD OFFICE CODE | 3. DATE RECEIVED | 4. DATE APPLICATION COMPLETED |
|--------------------|----------------------|------------------|-------------------------------|

(ITEMS BELOW TO BE FILLED BY APPLICANT)

| | |
|---|---|
| 5. APPLICANT'S NAME KY Transportation Cabinet Department of Highways | 8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) Roy Collins, Permits Coordinator |
| 6. APPLICANT'S ADDRESS Kentucky Transportation Office Building 200 Mero Street Frankfort, Kentucky 40622 | 9. AGENT'S ADDRESS Division of Environmental Analysis KY Transportation Office Bldg, Station W5-22-02 200 Mero Street, Frankfort, Kentucky 40622 |
| 7. APPLICANT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business (502) 564-3730 | 10. AGENT'S PHONE NUMBERS WITH AREA CODE a. Residence b. Business (502) 564-7250 |

11. STATEMENT OF AUTHORIZATION

I hereby authorize Roy Collins to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

Dennis R. Parker
APPLICANT'S SIGNATURE

10/16/2007
DATE

NAME, LOCATION AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)

US 127 realignment

13. NAME OF WATERBODY, IF KNOWN (if applicable)

UTs - Lick Creek, Spring Creek, Clear Fork Branch and Churntop Branch

14. PROJECT STREET ADDRESS (if applicable)

N/A

15. LOCATION OF PROJECT

Clinton

COUNTY

KY

STATE

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions)

Project begins at the KY/TN state line on US127 proceeding north-west terminating at KY 90

17. DIRECTIONS TO THE SITE

From Albany take US127 south to the KY/TN state line north of Static, TN

ENG FORM 4345, Jul 97

EDITION OF SEP 94 IS OBSOLETE

(Proponent: CECW-OR)

18. Nature of Activity (Description of project, include all features)

The realignment of US 127 involves the placement of 13 culverts, the relocation 5 streams, filling 4 streams and bridge replacement over 2 streams and the filling of 8 ponds and 4 wetlands.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

See Attachment

USE BLOCK IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

To necessitate the construction of US 127, the placement of culverts and the relocation of several sections of streams are required.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards

The material will be native rock and soils from the project site. Approximately 3690 CY of rock will be placed for the stream relocations and culvert placements.

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Roadway fill = 2.05 acres. See "Summary" sheets for individual site acreages.

23. Is Any Portion of the Work Already Complete? Yes ☐ No ☒ IF YES, DESCRIBE THE COMPLETED WORK

24. Addresses of Adjoining Property Owners, Lessees, etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

See Attachment

25. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application


| AGENCY | TYPE APPROVAL * | IDENTIFICATION NUMBER | DATE APPLIED | DATE APPROVED | DATE DENIED |
|--------|-----------------|-----------------------|--------------|---------------|-------------|
| | | | | | |

*Would include but is not restricted to zoning, building and flood plain permits

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.


SIGNATURE OF APPLICANT


DATE


SIGNATURE OF AGENT


DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States, knowingly and willfully falsifies, conceals, or covers up any trick scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Attachment Block 19

Clinton County
US 127 Realignment
Item Nos. 8.165.01,260.02,260.10

Project Purpose:

The proposed project's primary purpose and need is to improve safety, increase capacity, and improve the level of service. The secondary purpose and need is to enhance the region's transportation system linkage.

Attachment Block 24

**Clinton Co.
US 127 Realignment
Item Nos. 8.165.01,260.02,260.10**

1. Specialty Storage, INC.
c/o Allen Smith
PO Box 182
Albany, KY 42602
2. David A. Thrasher
RT 1 Box 375
Albany, KY 42602
3. Raymond Delk
RT 1 Tenn Road
PO Box 62
Albany, KY 42602
4. Larry K. Thrasher
RT 1 Box 374 A
Albany, KY 42602
5. Billy K. and Georgia Armstrong
RT 2 Box 1304
Albany, KY 42602
6. John O. and Willadean Cross
RT 2
Albany, KY 42602
7. Vicky Alley
PO Box 331
Byrdstown, TN 38549
8. Danny Brown and Janice Brown
RT 2 Box 1263
Albany, KY 42602
9. Judy Clifton

10. Michael and Teresa Williams
RT 5 Box 756
Albany, KY 42602

11. Joe K. and Olene Cross

12. Barbara Jean Savage
RT 2 Box 15
Albany, KY 42602

13. Barbara Jean Savage
RT 2 Box 15
Albany, KY 42602

SUMMARY OF SECTION 404 IMPACTS

Clinton County
US 127 Realignment
Item No. 8.165.01, 260.02, 260.10

Impacts By Proposed US 127 Realignment To Streams

[Please note: Impacts are arranged below in the order that the sites occur moving along the project from south to north. Site numbers are not necessarily in numerical order. The reason for this is that the site numbers which were assigned during field investigations have been retained to avoid errors which often occur when field site numbers are changed during document preparation. The permit sheets which follow this Summary are also arranged in ascending order following the roadway stationing moving from south to north along the project.]

1. **Site S19e** – Construct roadway impacting **95'** of an U.T. Lick Creek at approximate location STA 76+00, latitude 36.6270, longitude 85.0908. This portion of the stream will be filled with excavated material and the drainage conveyed through 95' of culvert & inlet/outlet channel. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 14.9 acres. The impact to the water is **0.008 acre**. (Nationwide 14)
2. **Site S18p** – This stream, U.T. Spring Creek, at approximate location STA 189+68, latitude 36.6536, longitude 85.1114, will be bridged and will not be impacted. Field investigations indicate this stream is **perennial** in nature with a watershed of 23660.8 acres. There is no impact to the water. (no permit needed)
3. **Site S13p** – Construct roadway impacting **2073'** of an U.T. Spring Creek at approximate location STA 190+00, latitude 36.6538, longitude 85.1112. After construction this portion of the stream will be conveyed through 1832' of culvert and constructed channel to connect the water flow. Field investigations indicate this stream is **perennial** in nature with a watershed of 192.0 acres. The impact to the water is **0.4436 acre**. (Individual permit)
4. **Site S16e** – Construct roadway impacting **229'** of U. T. Spring Creek at approximate location STA 199+84, latitude 36.6559, longitude 85.1131. This portion of the stream will be filled with excavated material and the drainage conveyed through 190' of culvert and outlet channel. Field investigations

indicate this stream is **ephemeral** in nature with a watershed of 2.4 acres. The impact to the water is **0.0092 acre**. (Nationwide 14)

5. **Site S17e** – Construct roadway impacting **415'** of an U.T. Spring Creek at approximate location STA 215+92, latitude 36.6622, longitude 85.1120. After construction this portion of the stream will be conveyed through 415' of culvert to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 20.4 acres. The impact to the water is **0.062 acre**. (Nationwide 14)
6. **Site S22p** – Construct roadway impacting **42'** of an U.T. Spring Creek at approximate location STA 216+00, latitude 36.6601, longitude 85.1152. This portion of the stream will be filled with excavated material. Field investigations indicate this spring-fed stream is **perennial** in nature with a watershed of 10.4 acres. The impact to the water is **0.0030 acre**. (Nationwide 14)
7. **Site S21e** - Construct roadway impacting **244'** of an U.T. Spring Creek at approximate location STA 217+00, latitude 36.6604, longitude 85.1150. After construction this portion of the stream will be conveyed through 327' of culvert and inlet channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 10.4 acres. The impact to the water is **0.017 acre**. (Nationwide 14)
8. **Site S15i** – Construct roadway impacting **104'** of an U.T. Spring Creek at approximate location STA 220+80, latitude 36.6603, longitude 85.1154. After construction this portion of the stream will be conveyed through 296' of culvert to connect the water flow. Field investigations indicate this stream is **intermittent** in nature with a watershed of 4.0 acres. The impact to the water is **0.005 acre**. (Nationwide 14)
9. **Site S15e** - Construct roadway impacting **215'** of an U.T. Spring Creek at approximate location STA 221+29, latitude 36.6602, longitude 85.1158. After construction this portion of the stream will be conveyed through 296' of culvert to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 2.1 acres. The impact to the water is **0.008 acre**. (Nationwide 14)
10. **Site S14e** – Construct roadway impacting **295'** of an U.T. Spring Creek at approximate location STA 223+38, latitude 36.6612, longitude 85.1159. This portion of the stream will be filled with excavated material and the drainage conveyed through 255' of constructed channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 2.5 acres. The impact to the water is **0.012 acre**. (Nationwide 14)

11. **Site S08e** – Construct roadway impacting **90'** of an U.T. Clear Fork Branch at approximate location STA 236+36, latitude 36.6632, longitude 85.1207. This portion of the stream will be filled with excavated material and the drainage conveyed through 171' of constructed channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 2.5 acres. The impact to the water is **0.004 acre**. (Nationwide 14)
12. **Site S09i** – Construct roadway impacting **395'** of U.T. ^{Spring Creek} ~~Clear Fork Branch~~ at approximate location STA 237+50, latitude 36.6416, longitude 85.1206. After construction this portion of the stream will be conveyed through 390' of culvert and inlet/outlet channel to connect the water flow. Field investigations indicate this stream is **intermittent** in nature with a watershed of 21.8 acres. The impact to the water is **0.0370 acre**. (Nationwide 14)
13. **Site S24e** – Construct roadway impacting **92'** of an U.T. Clear Fork Branch at approximate location STA 237+50, latitude 36.6634, longitude 85.1212. This portion of the stream will be filled with excavated material. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 2.0 acres. The impact to the water is **0.0035 acre**. (Nationwide 14)
14. **Site S12e** – Construct roadway impacting **785'** of an U.T. Clear Fork Branch at approximate location STA 254+62, latitude 36.6655, longitude 85.1262. This portion of the stream will be filled with excavated material and the drainage conveyed through 836' of constructed channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 6.7 acres. The impact to the water is **0.047 acre**. (Nationwide 14)
15. **Site S11e** – Construct roadway impacting **26'** of an U.T. Clear Fork Branch at approximate location STA 261+38, latitude 36.6663, longitude 85.1583. This portion of the stream will be filled with excavated material. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 1.0 acres. The impact to the water is **0.001 acre**. (Nationwide 14)
16. **Site S10p** – This stream, Clear Fork Branch, at approximate location STA 262+00, latitude 36.6664, longitude 85.1287 will be bridged and will not be impacted. Field investigations indicate this stream is **perennial** in nature with a watershed of 6,080 acres. There is no impact to the water. (no permit needed)
17. **Site S07i**– Construct roadway impacting **94'** of an U.T. Clear Fork Branch at approximate location STA 268+44, latitude 36.6669, longitude 85.1305. After construction this portion of the stream will be conveyed through 91 'of culvert to connect the water flow. Field investigations indicate this stream is

intermittent in nature with a watershed of 22.1 acres. The impact to the water is **0.009 acre**. (Nationwide 14)

18. **Site S07e** – Construct roadway impacting **525'** of an U.T. Clear Fork Branch at approximate location STA 279+00, latitude 36.6682, longitude 85.1338. This portion of the stream will be filled with excavated material and the drainage conveyed through 542' of constructed channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 10.4 acres. The impact to the water is **0.147 acre**. (Nationwide 14)
19. **Site S06p** – Construct roadway impacting **362'** of Churntop Branch at approximate location STA 302+76, latitude 36.6715, longitude 85.1405. After construction this portion of the stream will be conveyed through 372' of culvert and inlet/outlet channel to connect the water flow. Field investigations indicate this stream is **perennial** in nature with a watershed of 800.0 acres. The impact to the water is **0.133 acre**. (Nationwide 14)
20. **Site S25e** – Construct roadway impacting **94'** of an U.T. Churntop Branch at approximate location STA 337+14, latitude 36.6784, longitude 85.1488. After construction this portion of the stream will be conveyed through 159' of culvert and inlet/outlet channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 4.5 acres. The impact to the water is **0.005 acre**. (Nationwide 14)
21. **Site S05i** – Construct roadway impacting **152'** of Churntop Branch at approximate location STA 343+43, latitude 36.6803, longitude 85.1493. After construction this portion of the stream will be conveyed through 174' of culvert and inlet/outlet channel to connect the water flow. Field investigations indicate this stream is **intermittent** in nature with a watershed of 416.0 acres. The impact to the water is **0.044 acre**. (Nationwide 14)
22. **Site S03e** – Construct roadway impacting **459'** of an U.T. Churntop Branch at approximate location STA 373+00, latitude 36.6869, longitude 85.1549. After construction this portion of the stream will be conveyed through 340' of culvert and inlet/outlet channel to connect the water flow. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 9.3 acres. The impact to the water is **0.031 acre**. (Nationwide 14)
23. **Site S01e** – Construct roadway impacting **38'** of an U.T. Churntop Branch at approximate location STA 556+70, latitude 36.7325, longitude 85.1340. This portion of the stream will be filled with excavated material. Field investigations indicate this stream is **ephemeral** in nature with a watershed of 8.3 acres. The impact to the water is **0.002 acre**. (Nationwide 14)

Impacts By Proposed US 127 Realignment To Man-Made Open-Water Ponds

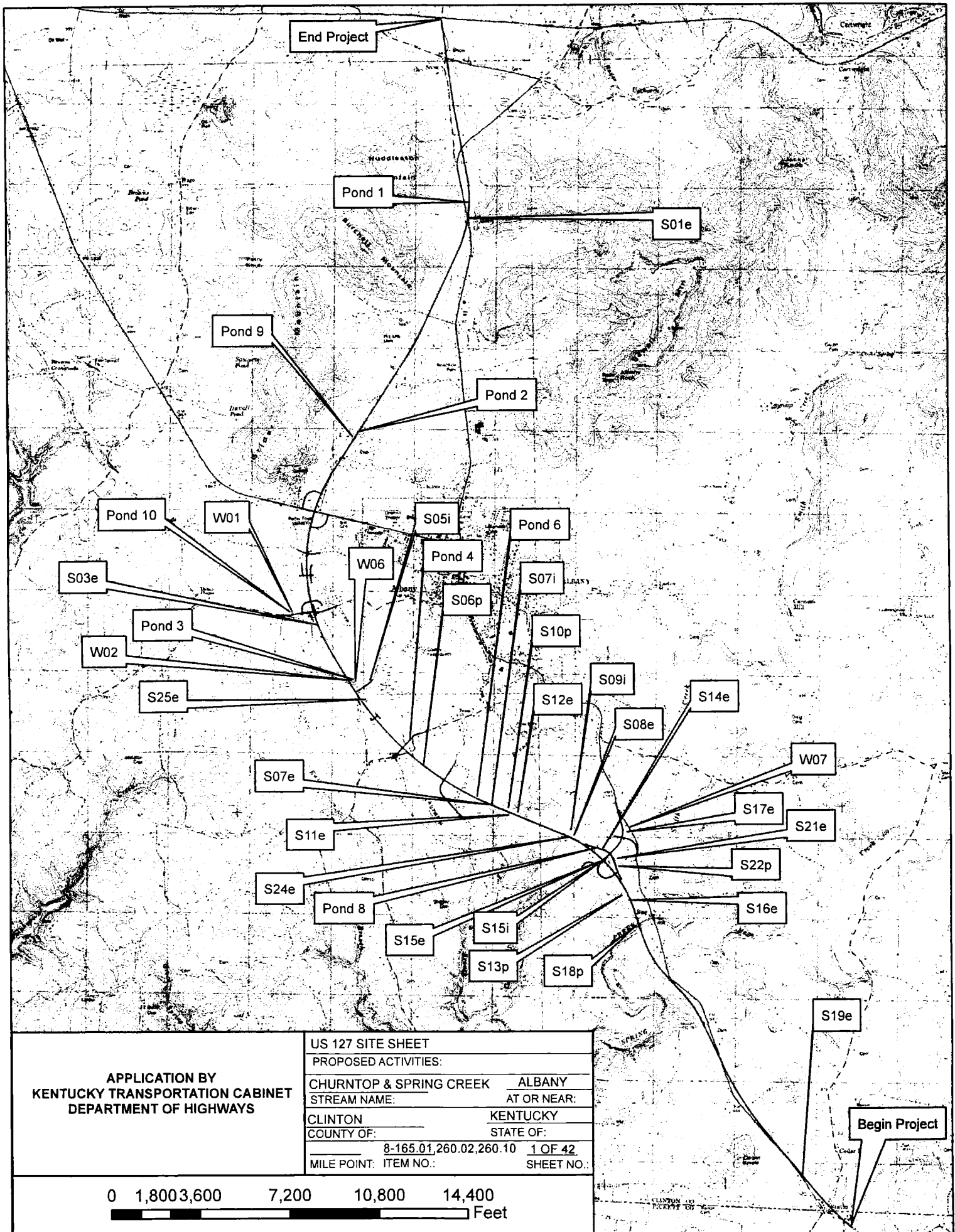
- 24. Site P08** – Construct roadway impacting a man-made open-water pond at approximate location STA 225+00, latitude 36.6621, longitude 85.1163. This pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to the open-water pond is 0.053 acres. (no permit required)
- 25. Site P06** – Construct roadway impacting a man-made open-water pond at approximate location STA 287+00, latitude 36.6695, longitude 85.1372. This pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to the open-water pond is 0.153 acres. (no permit required)
- 26. Site P04** – Construct roadway impacting a man-made open-water pond at approximate location STA 314+00, latitude 36.6743, longitude 85.1426. This pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to the open-water pond is 0.24 acres. (no permit required)
- 27. Site P03** – Construct roadway impacting a man-made open-water pond at approximate location STA 347+80, latitude 36.6809, longitude 85.1507. This pond will be filled with excavated material. It is estimated that this pond, when originally constructed, replaced 294 feet of ephemeral stream. The estimated impact to the open-water pond is 0.58 acres. (Nationwide 14)
- 28. Site P10** – Construct roadway impacting a man-made open-water pond at approximate location STA 382+18, latitude 36.6887, longitude 85.1588. This pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to the open-water pond is 0.071 acres. (no permit required)
- 29. Site P02** – Construct roadway impacting a man-made open-water pond at approximate location STA 455+00, latitude 36.7081, longitude 85.1500. This pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to that water is 0.306 acres. (no permit required)
- 30. Site P09** – Construct roadway impacting a man-made open-water pond at approximate location STA 459+00, latitude 36.7086, longitude 85.1493. This pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to the open-water pond is 0.127 acres. (no permit required)
- 31. Site P01** – Construct roadway impacting a man-made open-water pond at approximate location STA 569+40, latitude 36.7360, longitude 85.1337. This

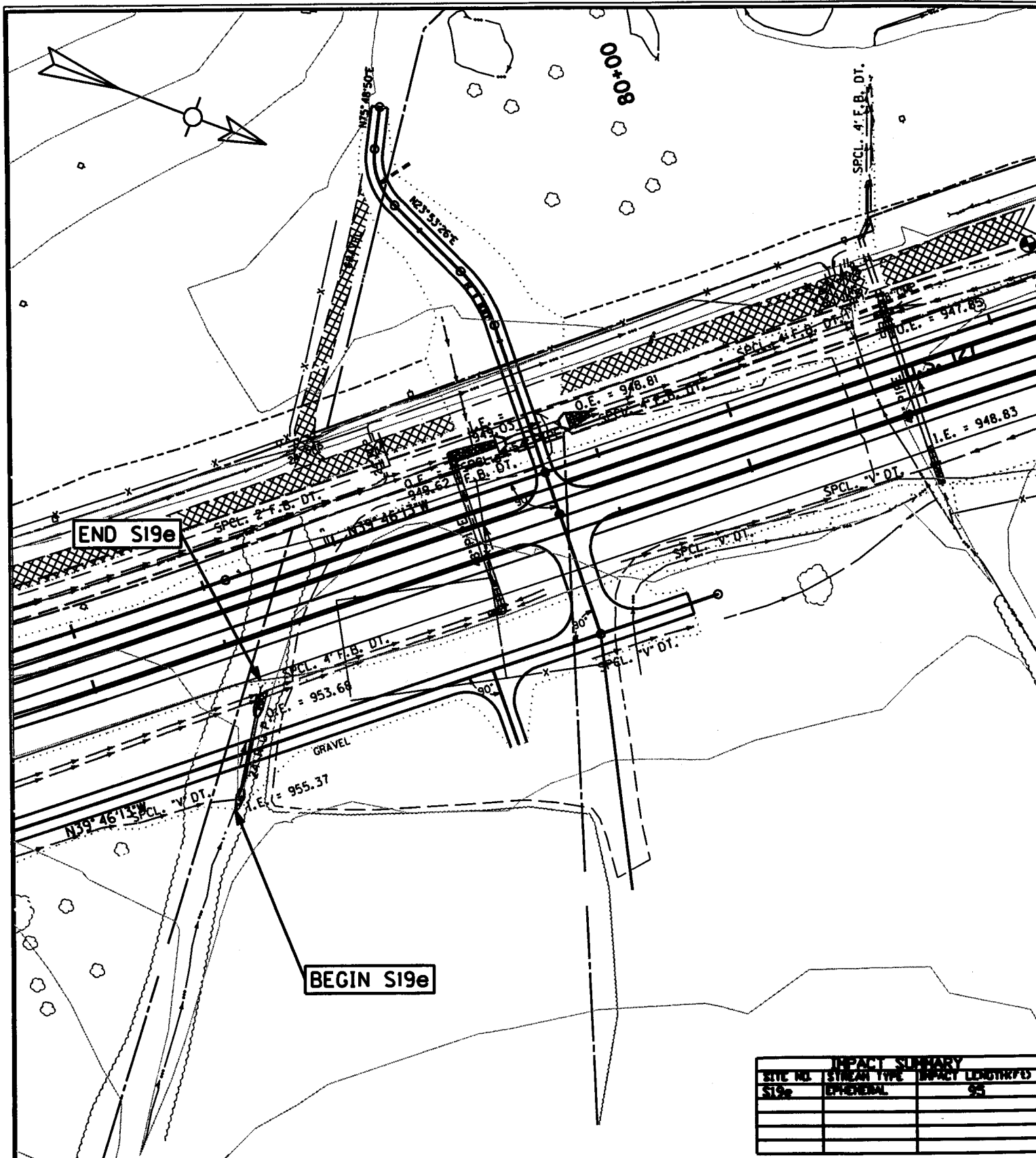
pond will be filled with excavated material. It is determined that this pond is isolated and did not impact any jurisdictional streams when constructed. The estimated impact to the open-water pond is 0.164 acres. (no permit required)

Impacts By Proposed US 127 Realignment To Wetlands

32. **Site W07** – Construct a controlled fill over 0.02 acre of nonjurisdictional wetland near station 222+85. This emergent wetland was determined to be isolated during field investigation. (no permit required)
33. **Site W06** – Construct a controlled fill over 0.36 acre of jurisdictional wetland near station 346+00. This emergent wetland is associated with Churntop Branch with a drainage area of approximately 416 acres, wetland W02 and the open-water man-made pond P03. Mitigation will be by in-lieu fee. A proposed 2:1 ratio and 20% for temporary loss requires an in-lieu fee of \$25,920. (Nationwide 14)
34. **Site W02** – Construct a controlled fill over 0.06 acre of jurisdictional wetland near station 347+90. This emergent wetland is associated with Churntop Branch with a drainage area of approximately 416 acres, wetland W06, and with the open-water man-made pond P03. No mitigation is required. (Nationwide 14)
35. **Site W01** – Construct a controlled fill over 0.009 acre of nonjurisdictional wetland near station 527+50. This emergent wetland was determined to be isolated during field investigation. (no permit required)

Need lat/long values





| IMPACT SUMMARY | | |
|----------------|-------------|--------------------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH (FT) |
| SI9e | PERMANENT | 95 |
| | | |
| | | |
| | | |

~NOTES~

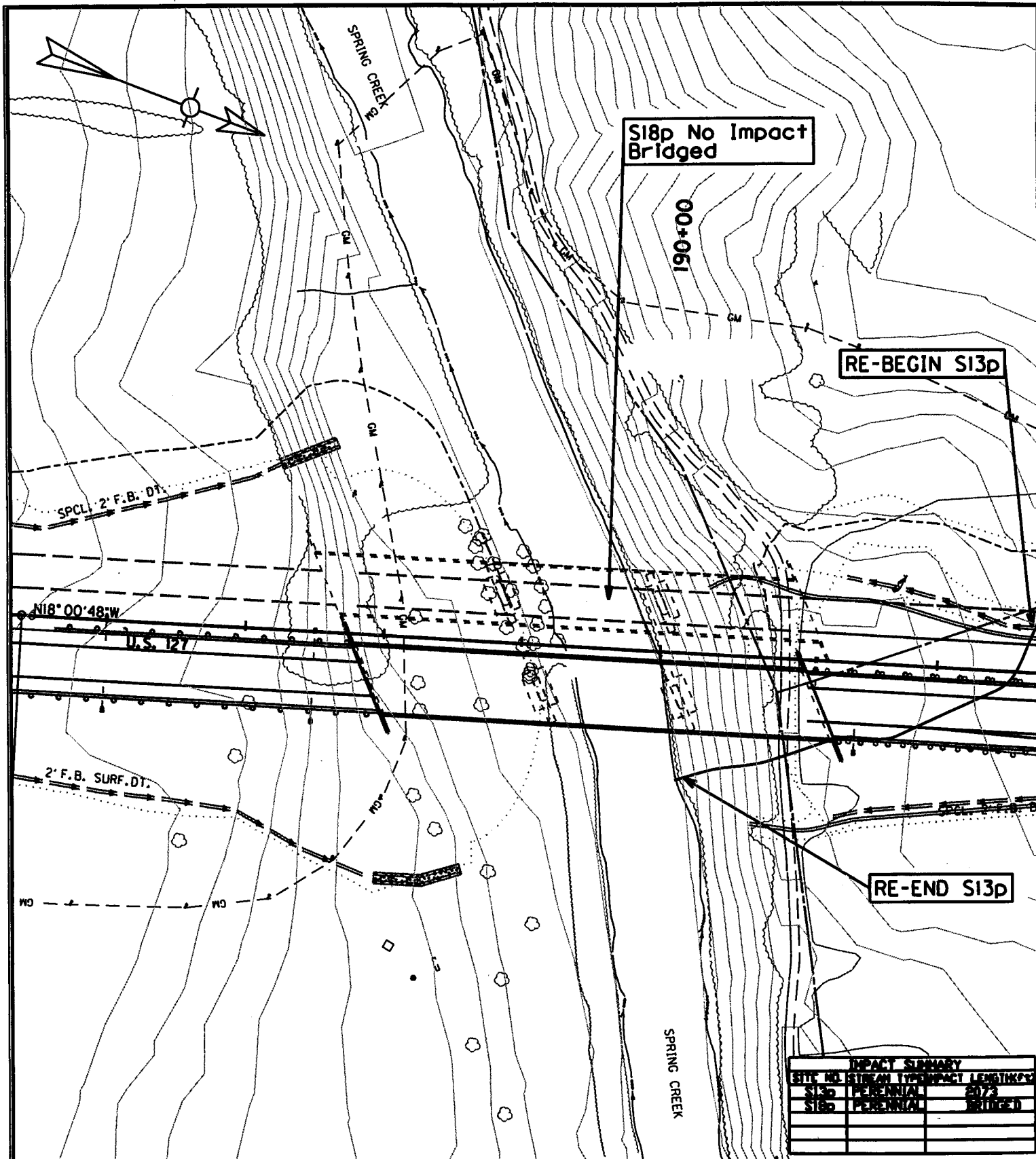
Stream Impact No. SI9e

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 74+55 TO STA 82+38 IMPACT PLAN
PROPOSED ACTIVITIES:

UT LICK CREEK ALBANY
STREAM NAME: AT OR NEAR:
CLINTON KENTUCKY
COUNTY OF: STATE OF:
8-165.01, 260.02, 260.10 2 of 42
MILE POINT: ITEM NO.: SHEET NO.:



| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH | FEET |
| SI3p | PERENNIAL | 2073 | |
| SI8p | PERENNIAL | BRIDGED | |
| | | | |
| | | | |

~NOTES~

Stream Impact No. SI3p

SCALE 1" = 100'

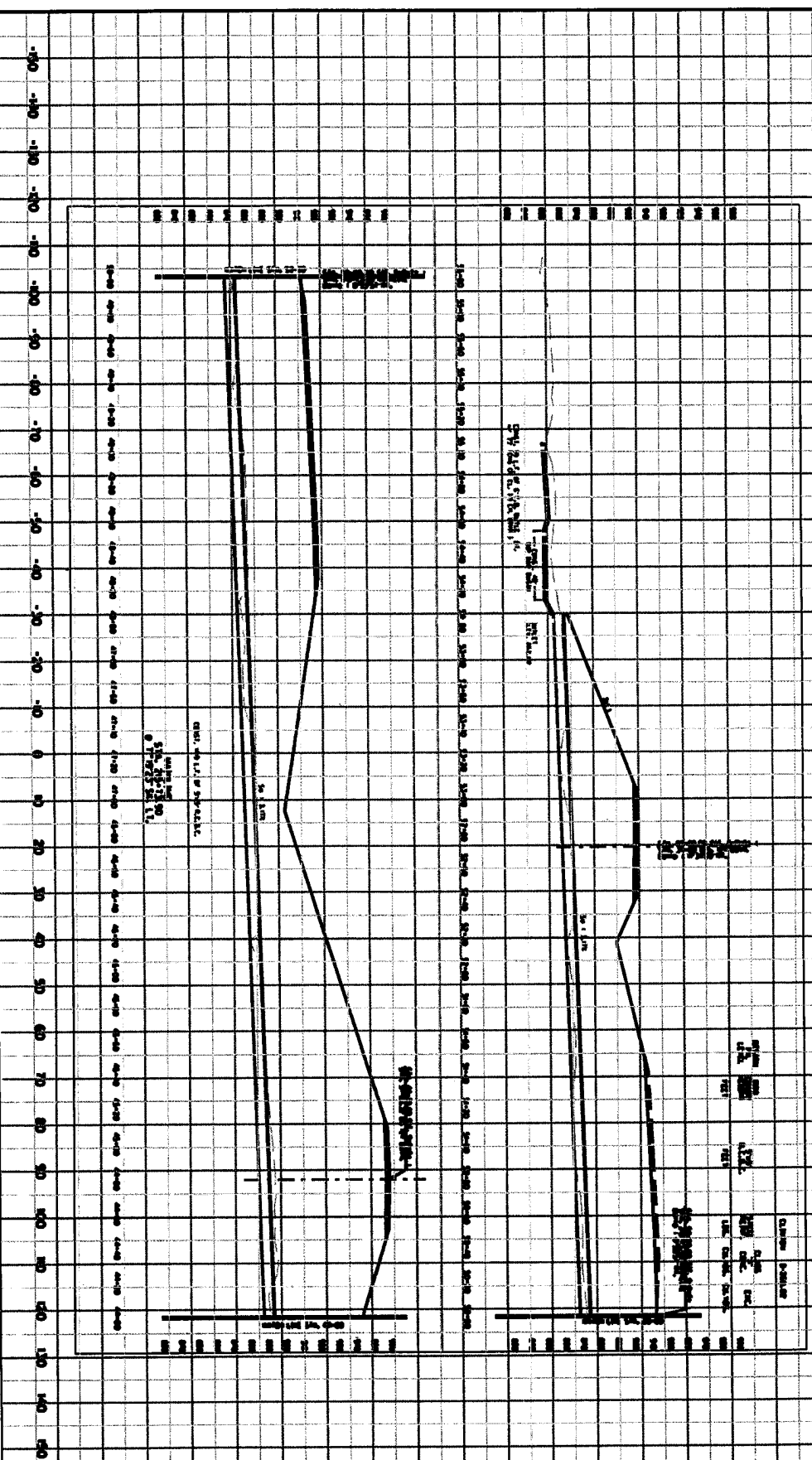
APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 185+32 TO STA 192+73 IMPACT PLAN
PROPOSED ACTIVITIES:

STREAM NAME: SPRING CREEK AT OR NEAR: ALBANY

COUNTY OF: CLINTON STATE OF: KENTUCKY

MILE POINT: 8-165.01, 260.02, 260.10 ITEM NO.: 3 of 42 SHEET NO.:



~NOTES~

Stream Impact No. S13p

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 215+73.90 IMPACT PLAN

PROPOSED ACTIVITIES:

U.T. SPRING CREEK

AT OR NEAR

ALBANY

COUNTY OF:

CLINTON

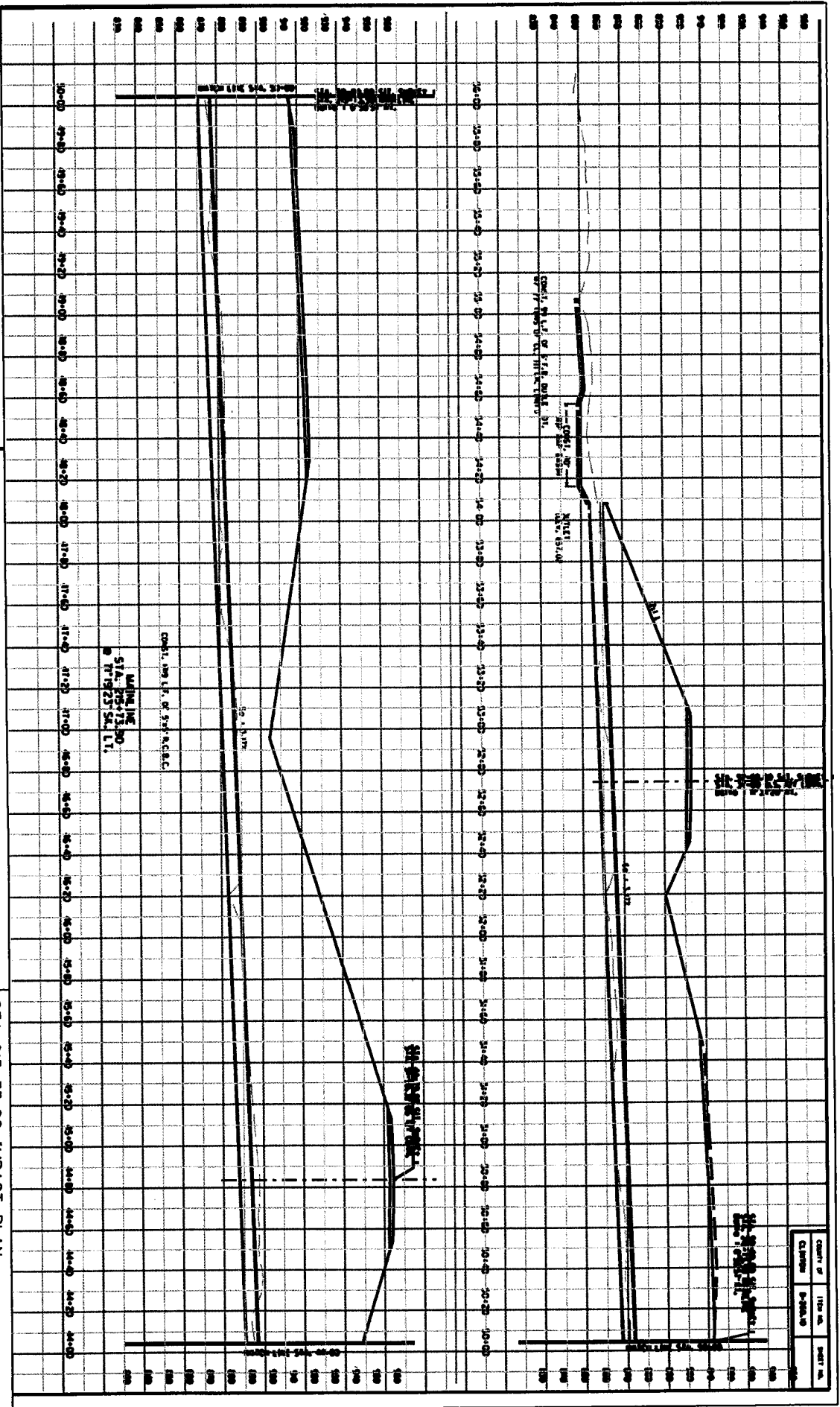
STATE OF:

KENTUCKY

SHEET NO.:

8-165.01

4 OF 42



~NOTES~

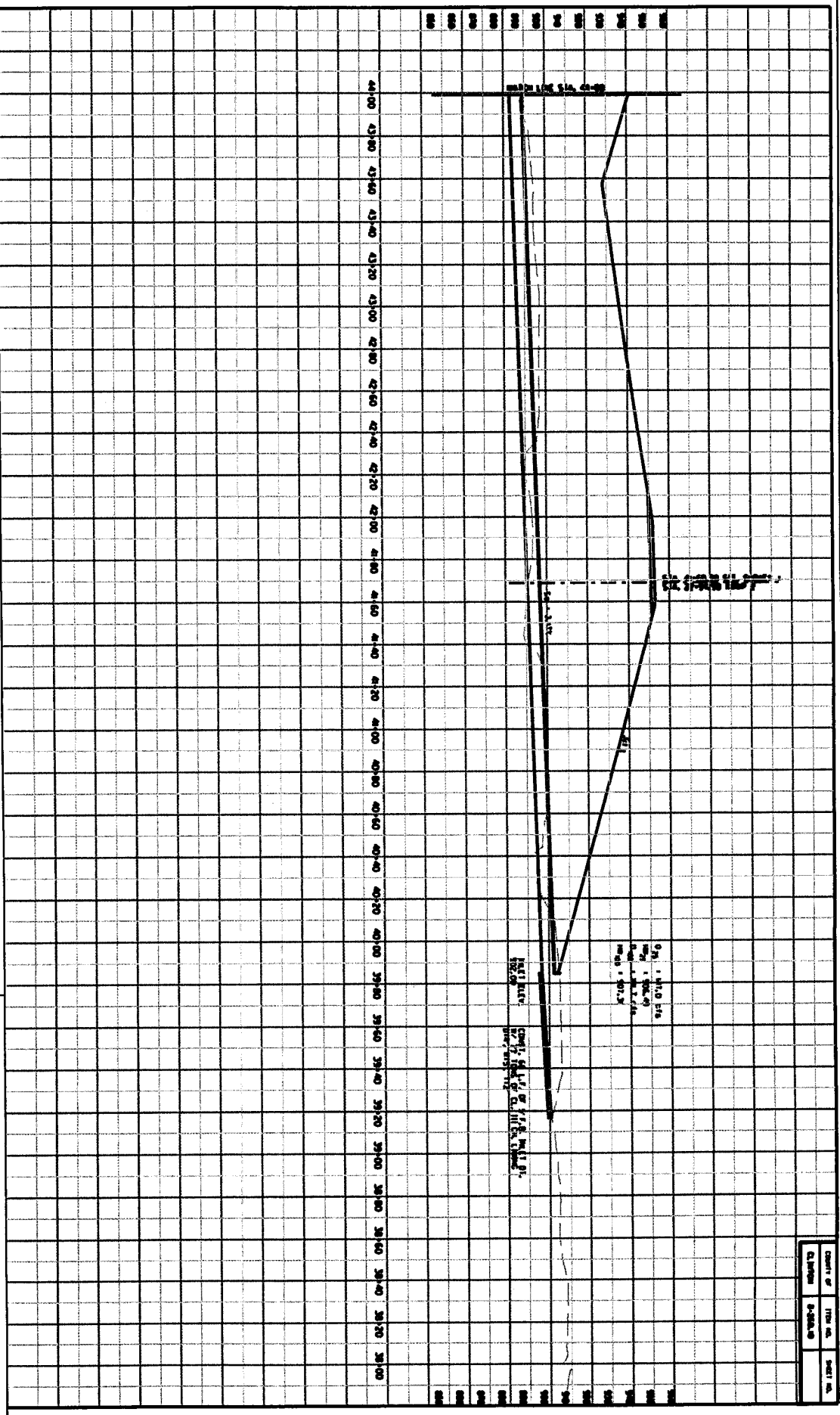
Stream Impact No. S13D

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

| | | | |
|---------------------------|--|-------------|--|
| STA 215+73.90 IMPACT PLAN | | | |
| PROPOSED ACTIVITIES: | | ALBANY | |
| U.T. SPRING CREEK | | AT OR NEAR | |
| STREAM NAME: | | KENTUCKY | |
| CLINTON | | STATE OF | |
| COUNTY OF: | | KENTUCKY | |
| 8-165.01, 260.02, | | 5 OF 42 | |
| 260.10 | | SHEET NO. 1 | |
| MILE POINTS | | ITEM NO. 1 | |

| COUNTY OF | FILE NO. | SHEET NO. |
|-----------|----------|-----------|
| CLINTON | 8-580.00 | |



~NOTES~

Stream Impact No. S13D

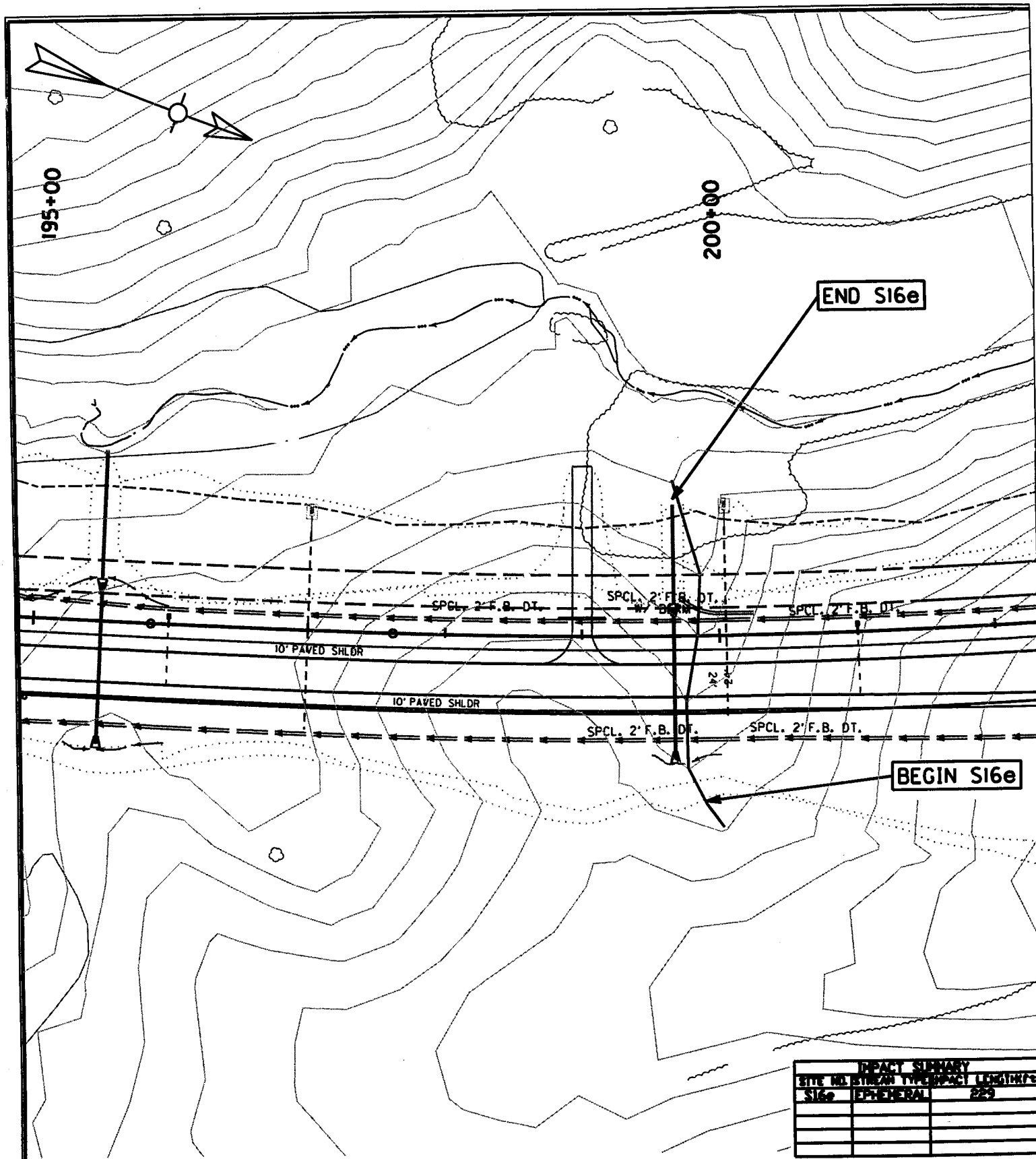
SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 215+73.90 IMPACT PLAN

PROPOSED ACTIVITIES:

| | | |
|-------------------|------------|------------|
| U.T. SPRING CREEK | AT OR NEAR | ALBANY |
| STREAM NAME: | | |
| CLINTON | STATE OF: | KENTUCKY |
| COUNTY OF: | | |
| 8-165.01, 260.02, | | |
| 260.10 | | |
| MILE POINTS: | ITEM NO.: | SHEET NO.: |
| | | 6 of 42 |



~NOTES~

Stream Impact No. S16e

SCALE 1" = 100'

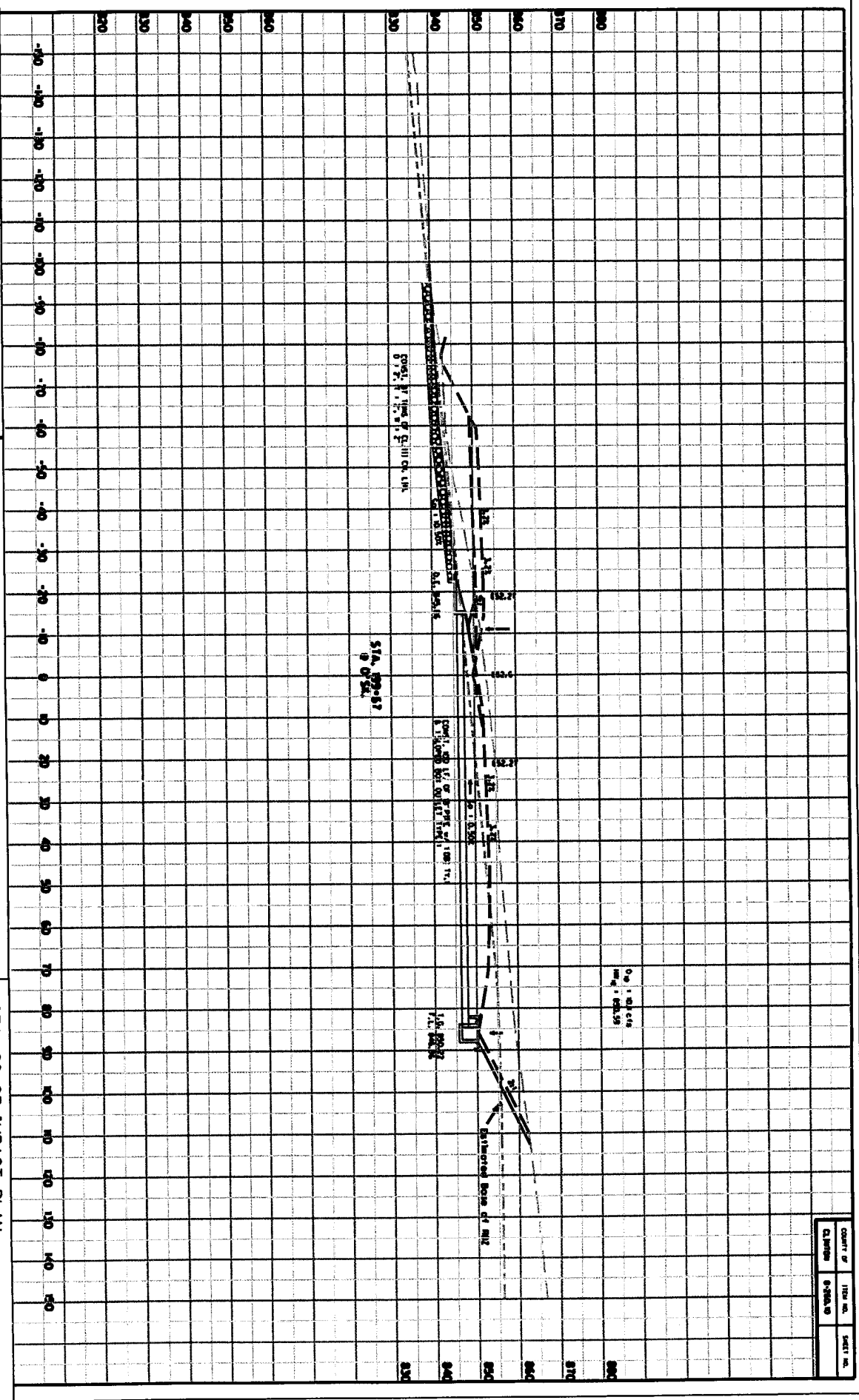
APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

STA 194+91 TO STA 202+33 IMPACT PLAN
 PROPOSED ACTIVITIES:

UT SPRING CREEK **ALBANY**
 STREAM NAME: AT OR NEAR:
CLINTON **KENTUCKY**
 STATE OF:

8-165.01,260.02,260.10 **7 of 42**
 MILE POINT: ITEM NO.: SHEET NO.:

| COUNTY OF | ITEM NO. | SHEET NO. |
|-----------|----------|-----------|
| CLINTON | 0-260.0 | 8 OF 42 |



~NOTES~

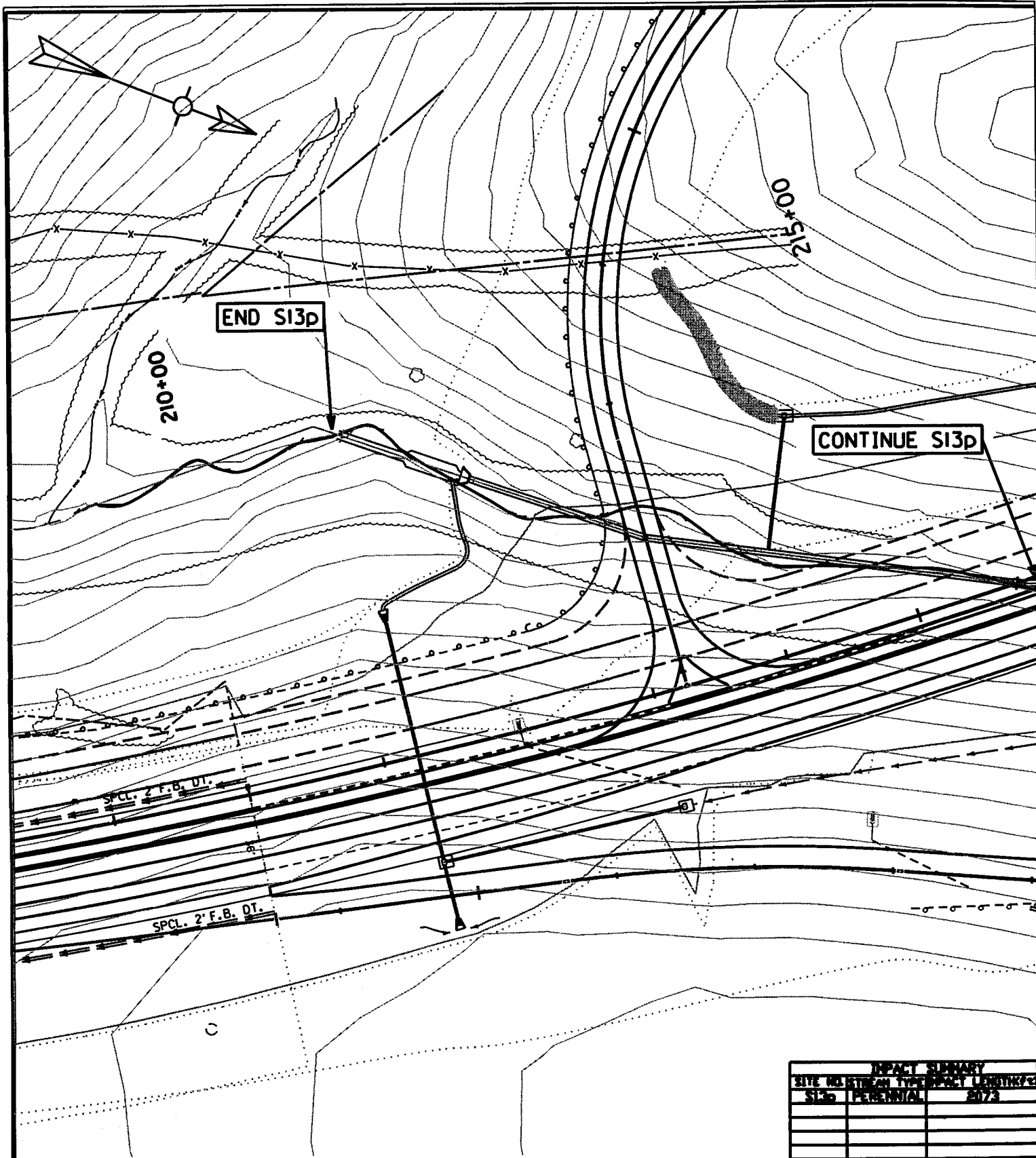
Stream Impact No. 516

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 199+67 IMPACT PLAN

| PROPOSED ACTIVITIES | |
|---------------------|------------|
| U.T. SPRING CREEK | ALBANY |
| STREAM NAME | AT OR NEAR |
| CLINTON | KENTUCKY |
| COUNTY OF | STATE OF |
| 8-165.01 260.02, | |
| 260.10 | |
| MILE POINT | FEET NO. |
| | 8 OF 42 |
| | SHEET NO. |



| IMPACT SUMMARY | | |
|----------------|---------------|---------------|
| SITE | WATERWAY TYPE | IMPACT LENGTH |
| S13p | PERENNIAL | 2073 |
| | | |
| | | |
| | | |

~NOTES~

Stream Impact No. S13p

SCALE 1" = 100'

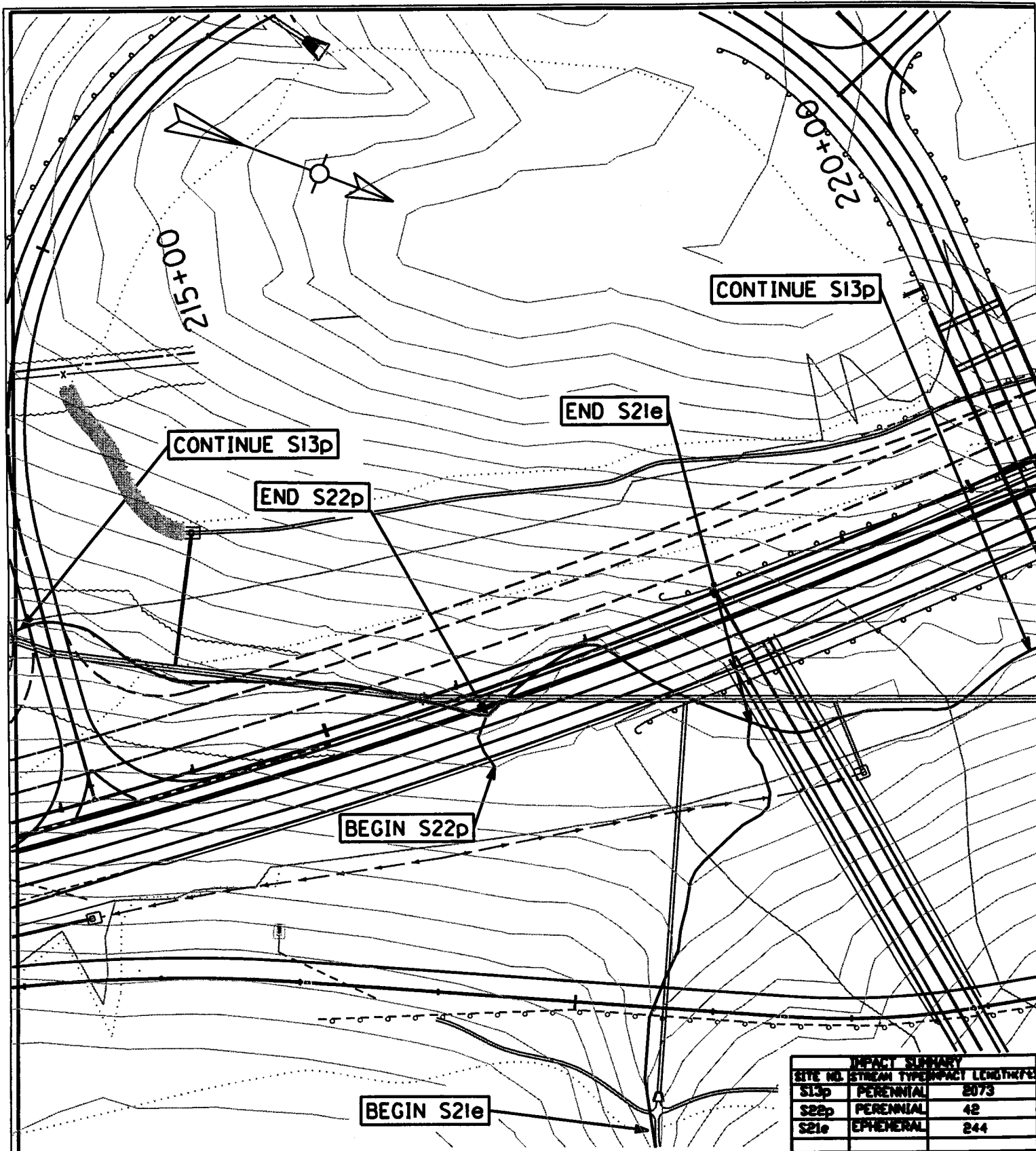
APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

STA 208+75 TO STA 215+91 IMPACT PLAN
 PROPOSED ACTIVITIES:

UT SPRING CREEK **ALBANY**
 STREAM NAME: AT OR NEAR:

CLINTON **KENTUCKY**
 COUNTY OF: STATE OF:

8-165.01, 260.02, 260.1 **9 of 42**
 MILE POINT: ITEM NO.: SHEET NO.:



| IMPACT SUMMARY | | |
|----------------|-------------|---------------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH |
| S13p | PERENNIAL | 2073 |
| S22p | PERENNIAL | 42 |
| S21e | EPHEMERAL | 244 |

~NOTES~

Stream Impact No. S13p
Stream Impact No. S21e
Stream Impact No. S22p

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

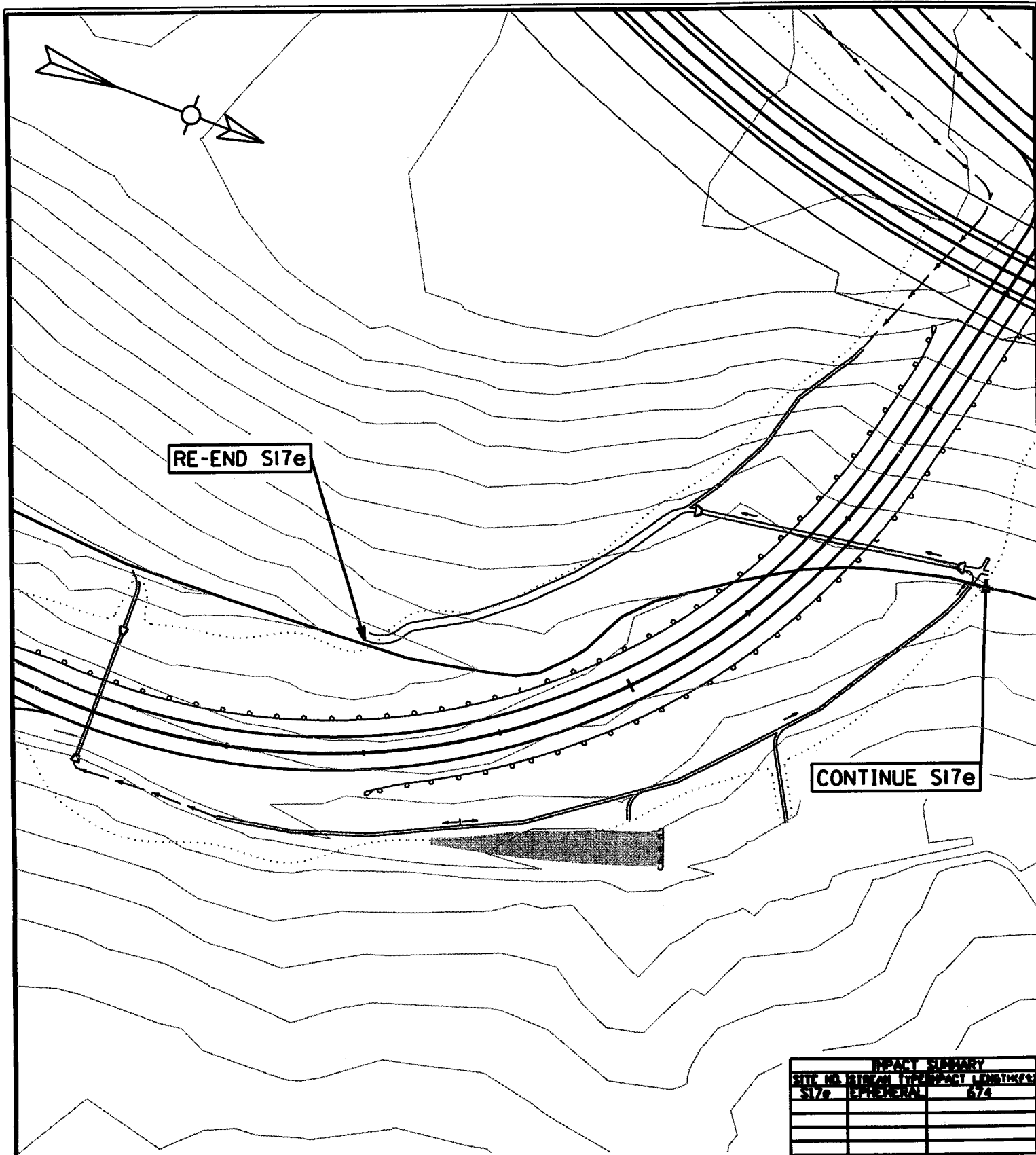
STA 212+70 TO STA 220+54 IMPACT PLAN

PROPOSED ACTIVITIES:

UT SPRING CREEK ALBANY
STREAM NAME: AT OR NEAR:

CLINTON KENTUCKY
COUNTY OF: STATE OF:

8-165.01,260.02,260.10 10 of 42
MILE POINT: ITEM NO.: SHEET NO.:



| IMPACT SUMMARY | | |
|----------------|-------------|---------------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH |
| S17e | EPHEMERAL | 674 |
| | | |
| | | |
| | | |

~NOTES~

Stream Impact No. S17e

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

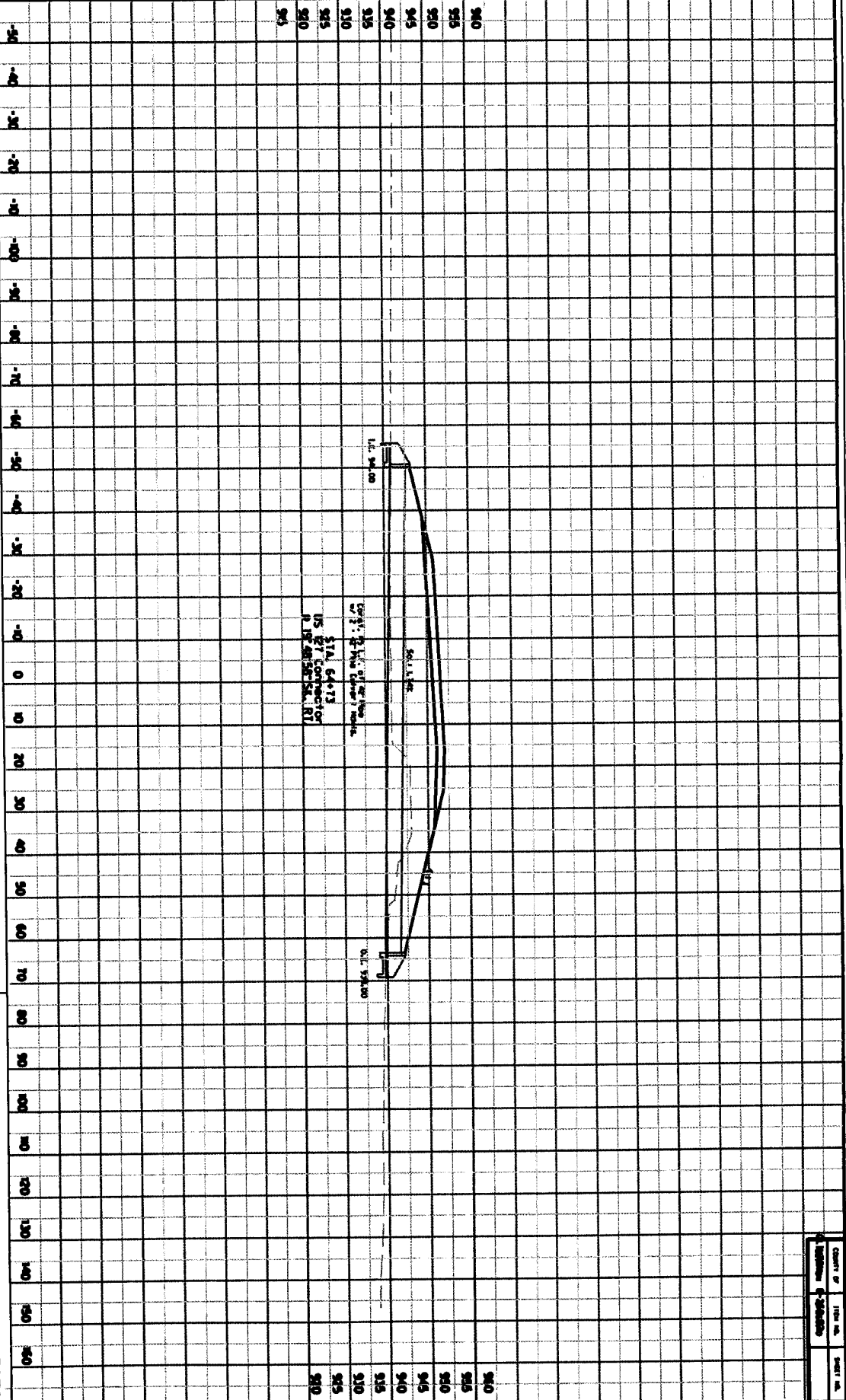
STA 218+45 TO STA 226+88 IMPACT PLAN
PROPOSED ACTIVITIES:

UT SPRING CREEK **ALBANY**
STREAM NAME: AT OR NEAR:

CLINTON **KENTUCKY**
COUNTY OF: STATE OF:

8-165.01,260.02,260.10 **11 of 42**
MILE POINT: ITEM NO.: SHEET NO.:

| COUNTY OF | ITEM NO. | SHEET NO. |
|-----------|----------|-----------|
| CLINTON | 8-260-02 | 12 OF 42 |



~NOTES~

Stream Impact No. Site

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 64+73 IMPACT PLAN-US 127 CONNECTOR

PROPOSED ACTIVITIES:

U.T. SPRING CREEK

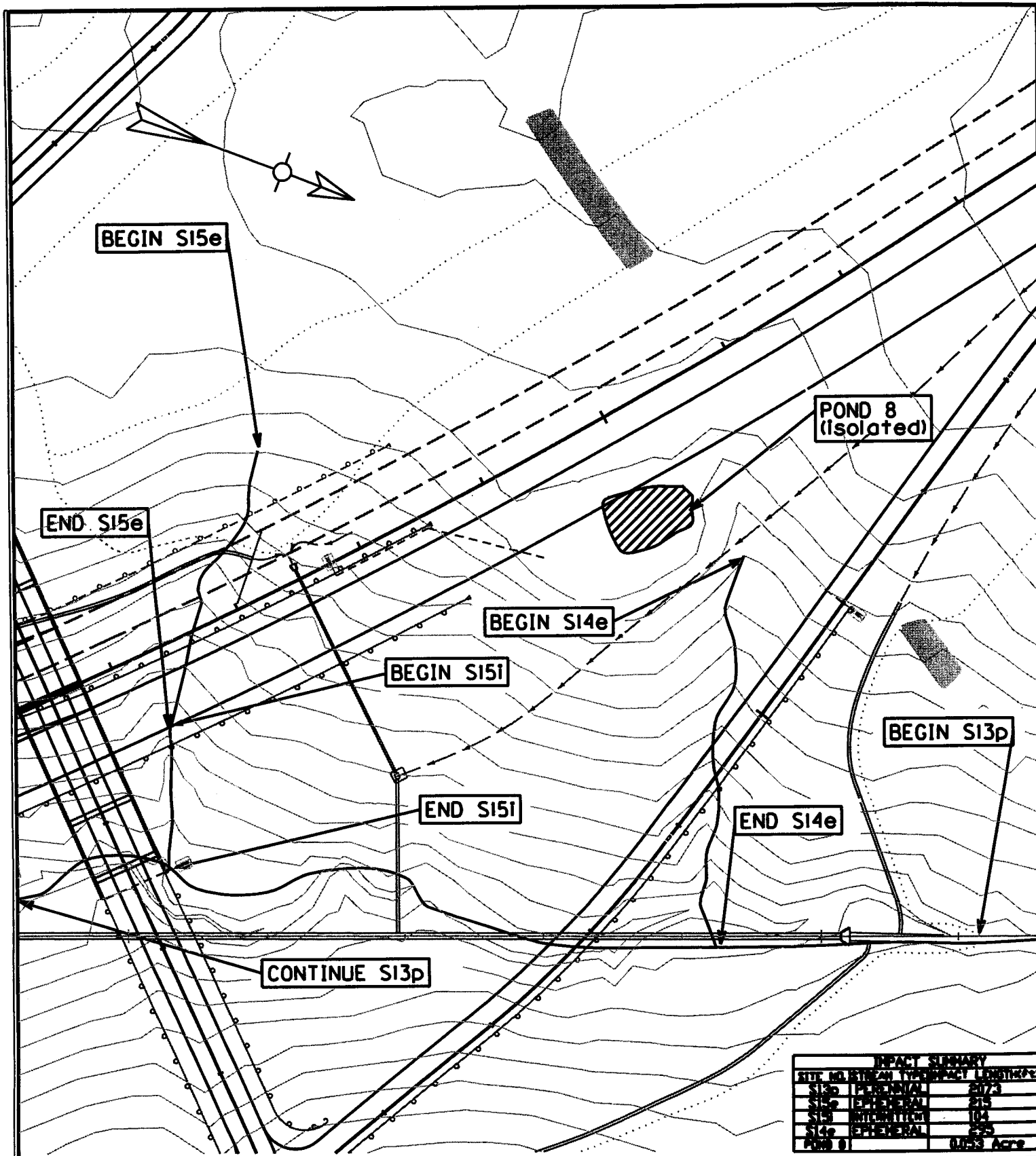
CLINTON

STATE OF: KENTUCKY

FILE NO.: 8-165.01 260.02.

ITEM NO.: 12 OF 42

SHEET NO.: 12 OF 42



| IMPACT SUMMARY | | |
|----------------|--------------------|-------------|
| ITEM NO. | STREAM TYPE/IMPACT | LENGTH (ft) |
| S13p | PERMANENT | 2073 |
| S15e | EPHEMERAL | 215 |
| S15i | INTERMITTENT | 104 |
| S14e | EPHEMERAL | 235 |
| Pond 8 | | 0.053 Acre |

~NOTES~

Stream Impact No. S13p
 Stream Impact No. S15e
 Stream Impact No. S15i
 Stream Impact No. S14e
 Pond Impact No. 8

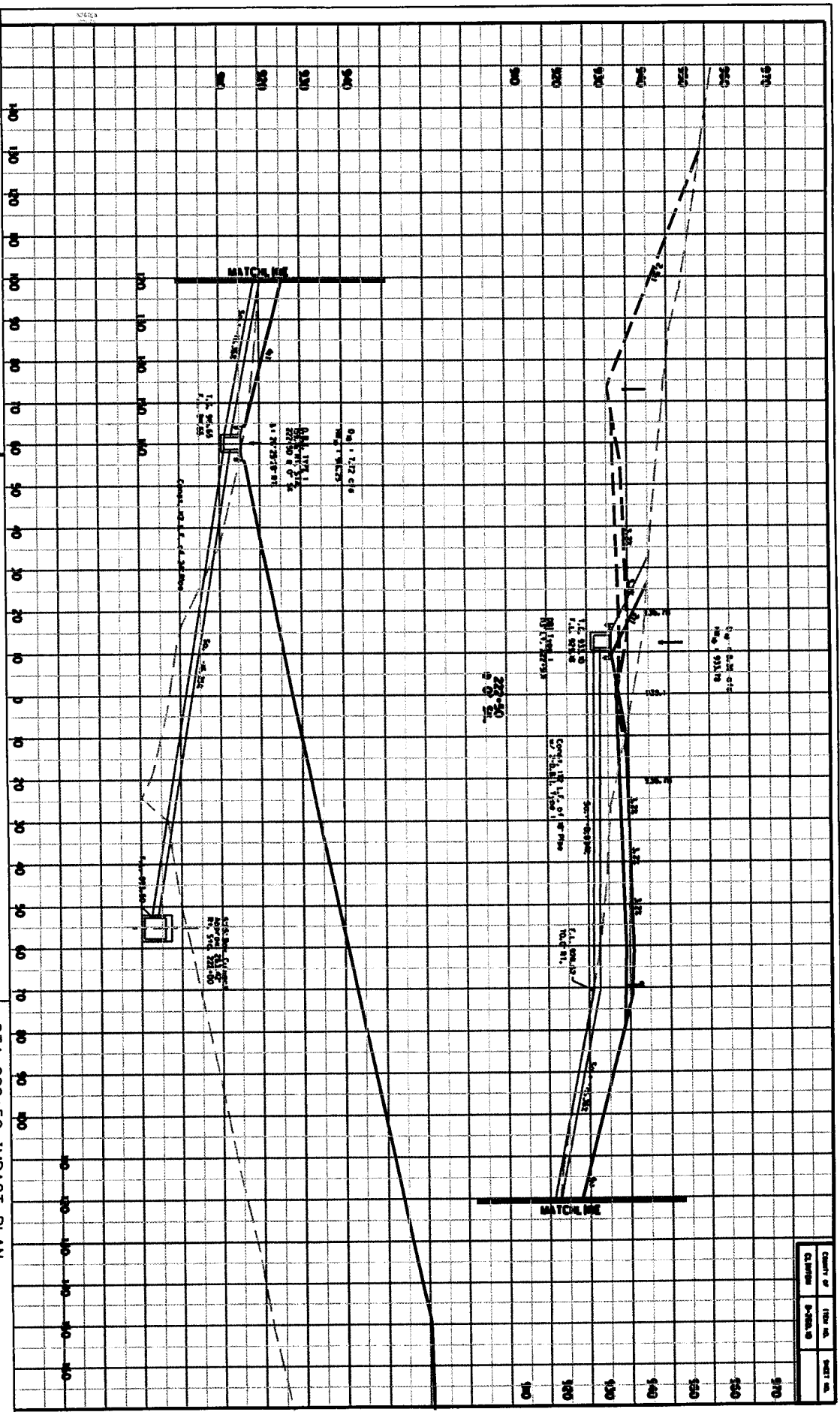
SCALE 1" = 100'

APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

STA 220+24 TO STA 228+61 IMPACT PLAN

PROPOSED ACTIVITIES:

UT SPRING CREEK ALBANY
 STREAM NAME: AT OR NEAR:
 CLINTON KENTUCKY
 COUNTY OF: STATE OF:
 8-165.01,260.02,260.10 13 of 42
 MILE POINT: ITEM NO. SHEET NO.



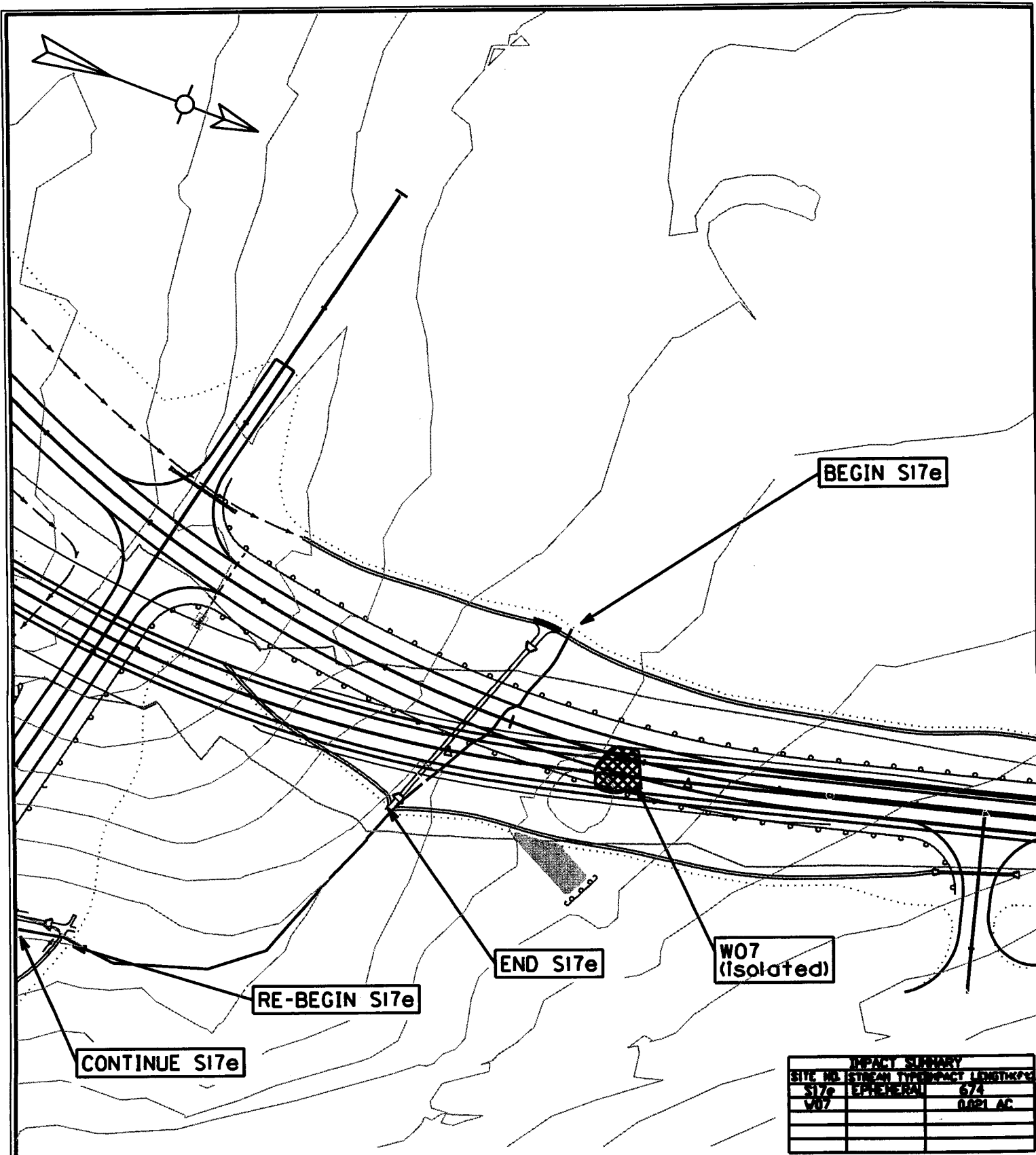
~NOTES~

| Stream | Impact | No. | \$15e |
|--------|--------|-----|-------|
| Stream | Impact | No. | \$15i |

SCALE 1" = 10'

**APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

| | |
|------------------------|-------------|
| STA 222+50 IMPACT PLAN | |
| PROPOSED ACTIVITIES: | |
| U. T. SPRING CREEK | ALBANY |
| STREAM NAME: | AT OR NEAR: |
| CLINTON | KENTUCKY |
| COUNTY OF: | STATE OF: |
| 8-165.01.260.02. | |
| FILE NO.: | |
| 260.10 | |
| NEW NO.: | |
| 14 of 42 | |
| SHEET NO.: | |

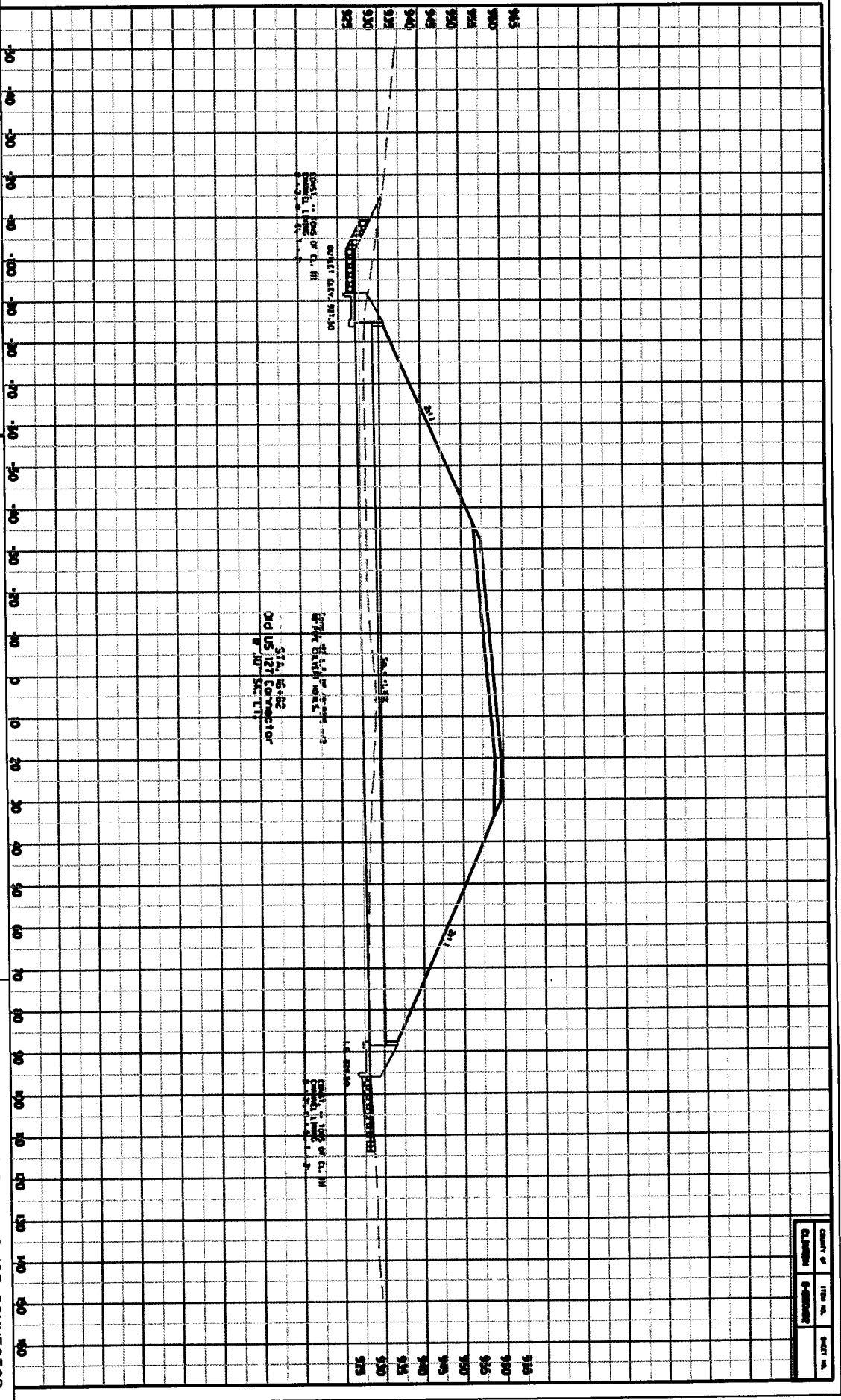


| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|---|
| SITE NO. | STREAM TYPE | IMPACT LENGTH | % |
| S17e | TEMPERARY | 674 | |
| W07 | PERMANENT | 0.021 AC | |
| | | | |
| | | | |

~NOTES~
 Stream Impact No. S17e
 Wetland Impact No. W07
 SCALE 1" = 100'

APPLICATION BY
 KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

| | |
|--------------------------------------|-------------|
| STA 226+00 TO STA 235+95 IMPACT PLAN | |
| PROPOSED ACTIVITIES: | |
| UT SPRING CREEK | ALBANY |
| STREAM NAME: | AT OR NEAR: |
| CLINTON | KENTUCKY |
| COUNTY OF: | STATE OF: |
| MILE POINT: | ITEM NO.: |
| 8-165.01,260.02,260.1 | 15 of 42 |
| | SHEET NO.: |



~NOTES~

Stream Impact No. Site

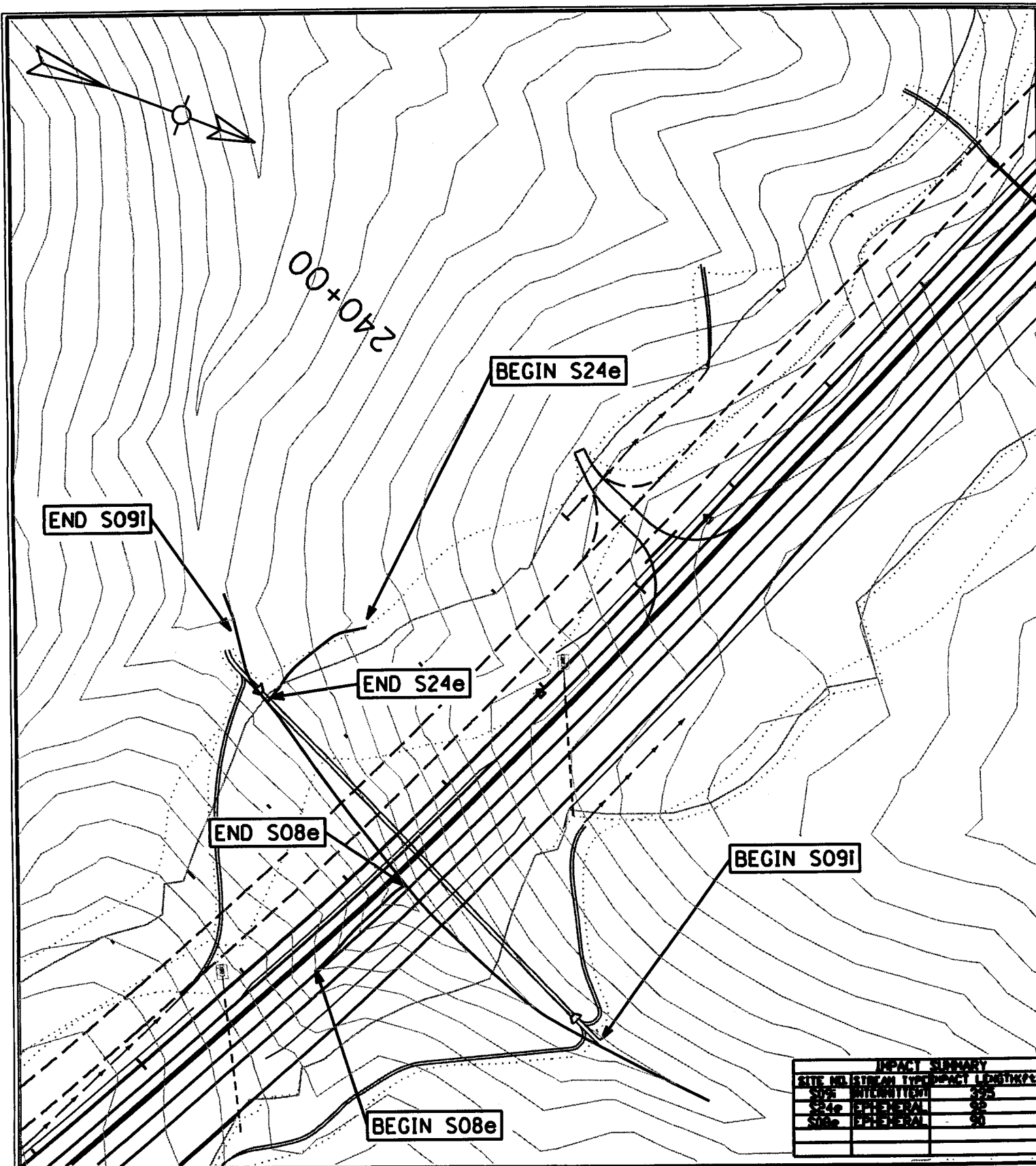
SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 16+82 IMPACT PLAN-US 127 CONNECTOR

| | |
|-------------------|-------------|
| U.T. SPRING CREEK | ALBANY |
| STRAIN NAME; | AT OR NEAR; |

| | | | |
|------------|---------|------------|--|
| CLINTON | | KENTUCKY | |
| COUNTY OF: | | STATE OF: | |
| 8-165.01 | 260.02, | | |
| 260.10 | | | |
| TYP NO.: | | | |
| | | 16 of 42 | |
| | | SHEET NO.: | |



| IMPACT SUMMARY | | | |
|----------------|--------------|---------------|------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH | FEET |
| S09I | INTERMITTENT | 325 | |
| S24e | EPHEMERAL | 92 | |
| S08e | EPHEMERAL | 90 | |

~NOTES~

Stream Impact No. S09I
Stream Impact No. S24e
Stream Impact No. S08e

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 233+89 TO STA 244+16 IMPACT PLAN

PROPOSED ACTIVITIES:

UT CLEAR FORK

ALBANY

STREAM NAME:

AT OR NEAR:

CLINTON

KENTUCKY

COUNTY OF:

STATE OF:

MILE POINT:

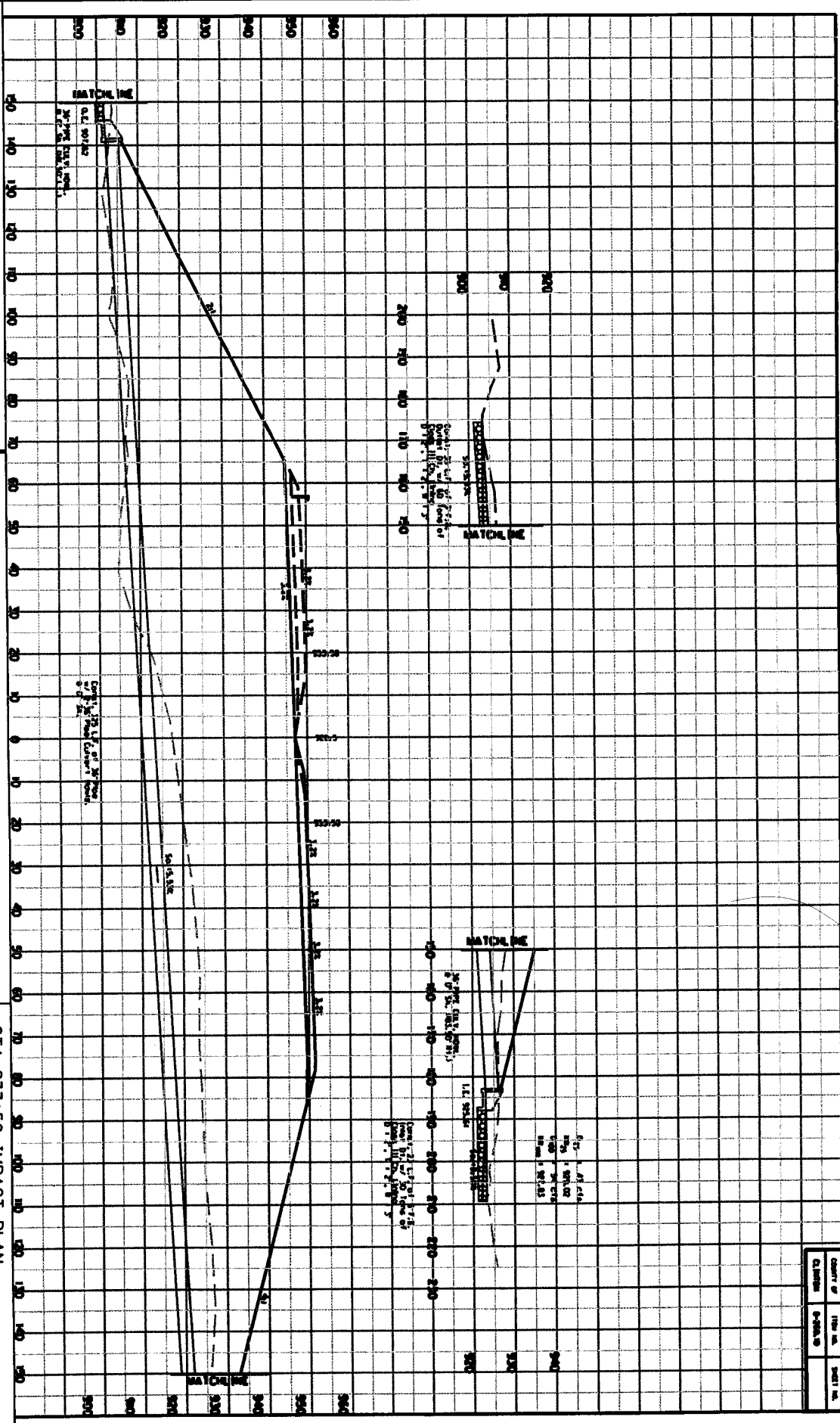
8-165.01, 260.02, 260.1

ITEM NO.:

17 of 42

SHEET NO.:

| | | |
|-----------|----------|-----------|
| COUNTY OF | FILE NO. | SHEET NO. |
| CLINTON | 8-165.01 | 18 OF 42 |



~NOTES~

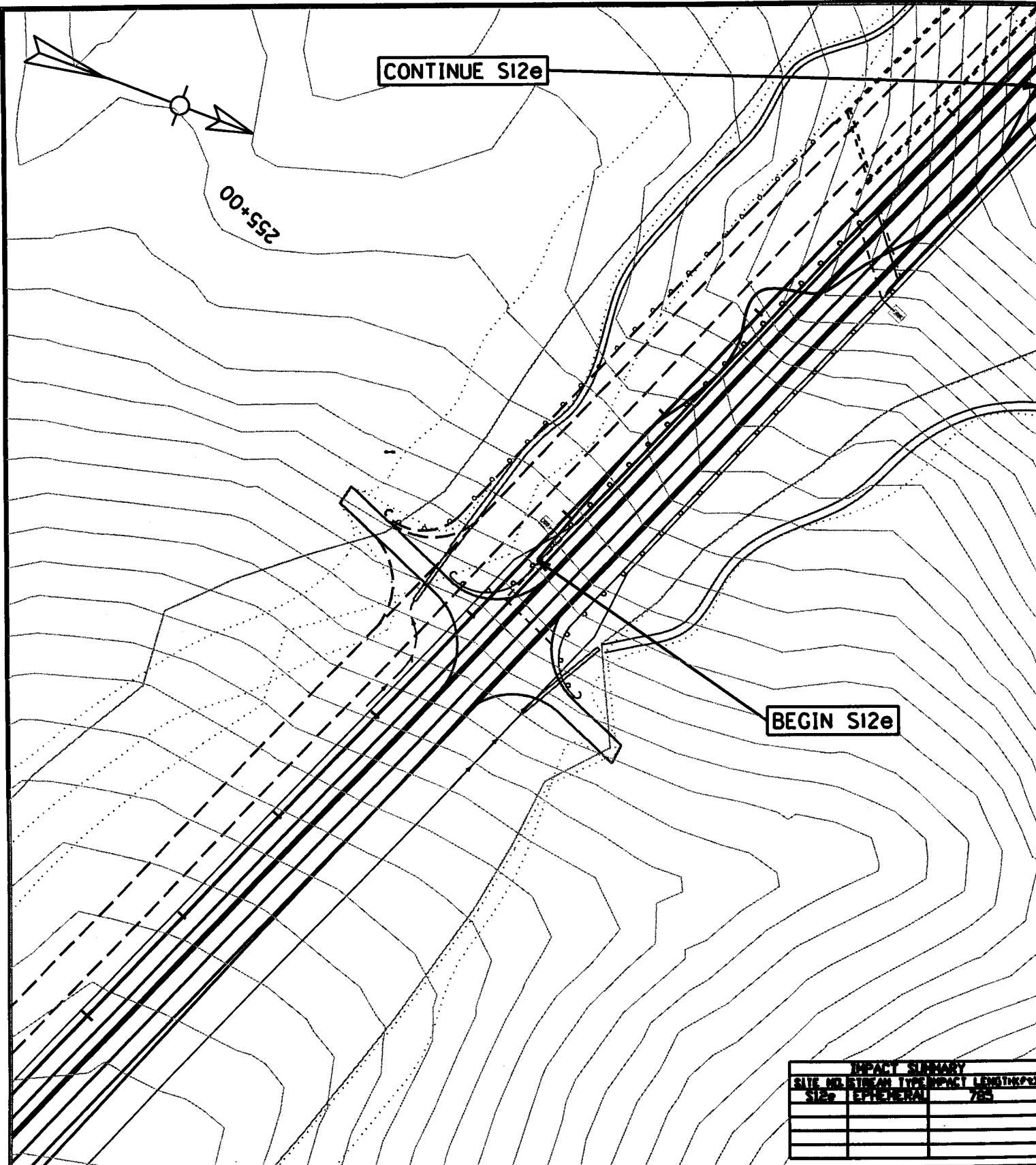
Stream Impact No. S091

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 237+50 IMPACT PLAN

| | | | |
|---------------------|------------|-----------|--|
| PROPOSED ACTIVITIES | | ALBANY | |
| U.T. SPRING CREEK | AT OR NEAR | | |
| STREAM NAME | | | |
| CLINTON | STATE OF | KENTUCKY | |
| 8-165.01, 260.02, | | | |
| 260.10 | | | |
| MILE POINT | TRAIL NO. | 18 OF 42 | |
| | | SHEET NO. | |



~NOTES~

Stream Impact No. S12e

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

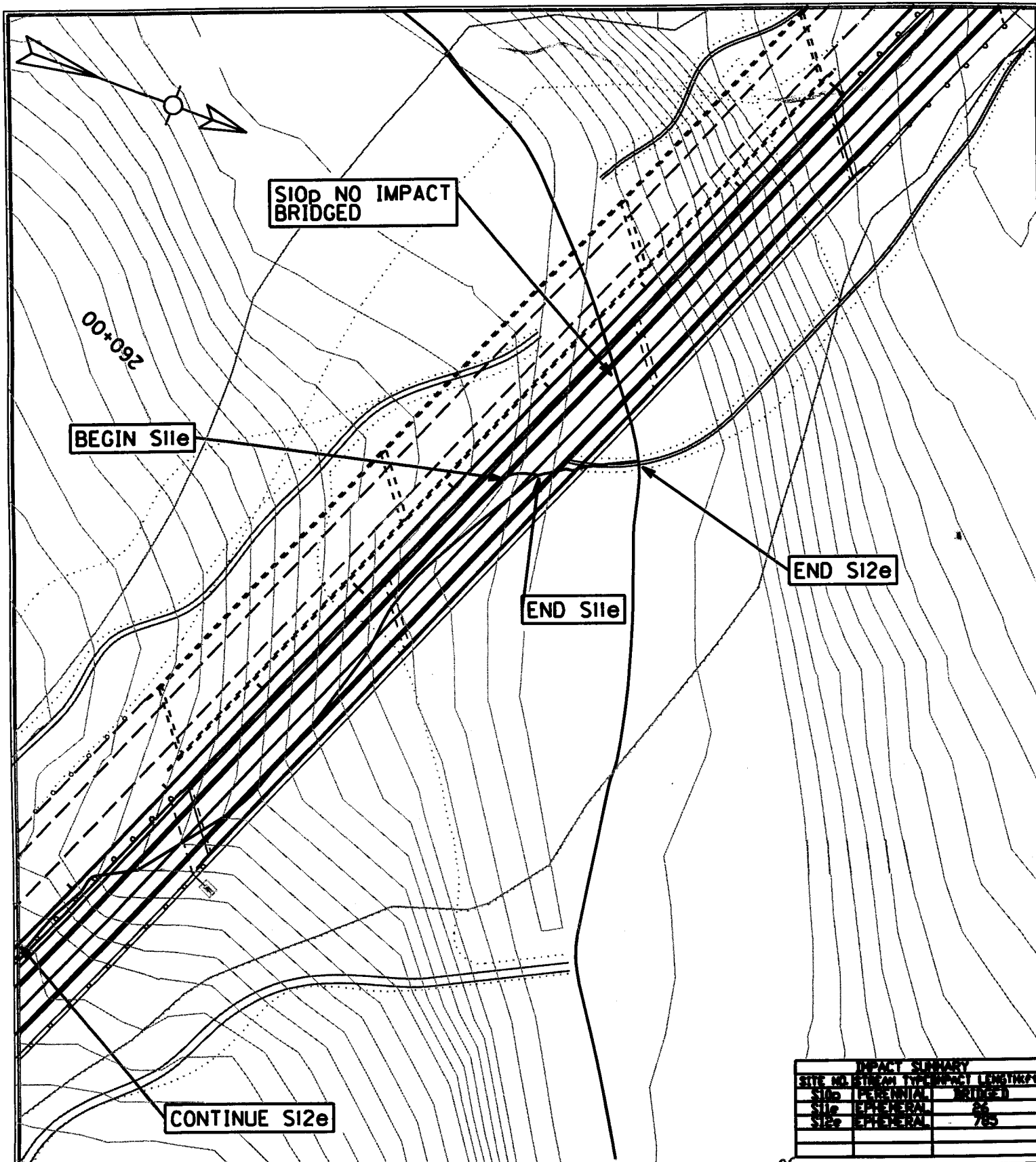
STA 249+21 TO STA 259+87 IMPACT PLAN
 PROPOSED ACTIVITIES:

UT CLEAR FORK BRANCH **ALBANY**

STREAM NAME: AT OR NEAR:

CLINTON **KENTUCKY**
 COUNTY OF: STATE OF:

8-165.01,260.02,260.10 **19 of 42**
 MILE POINT: SHEET NO.:



~NOTES~

Stream Impact No. S1le
Stream Impact No. S12e

SCALE 1" = 100'

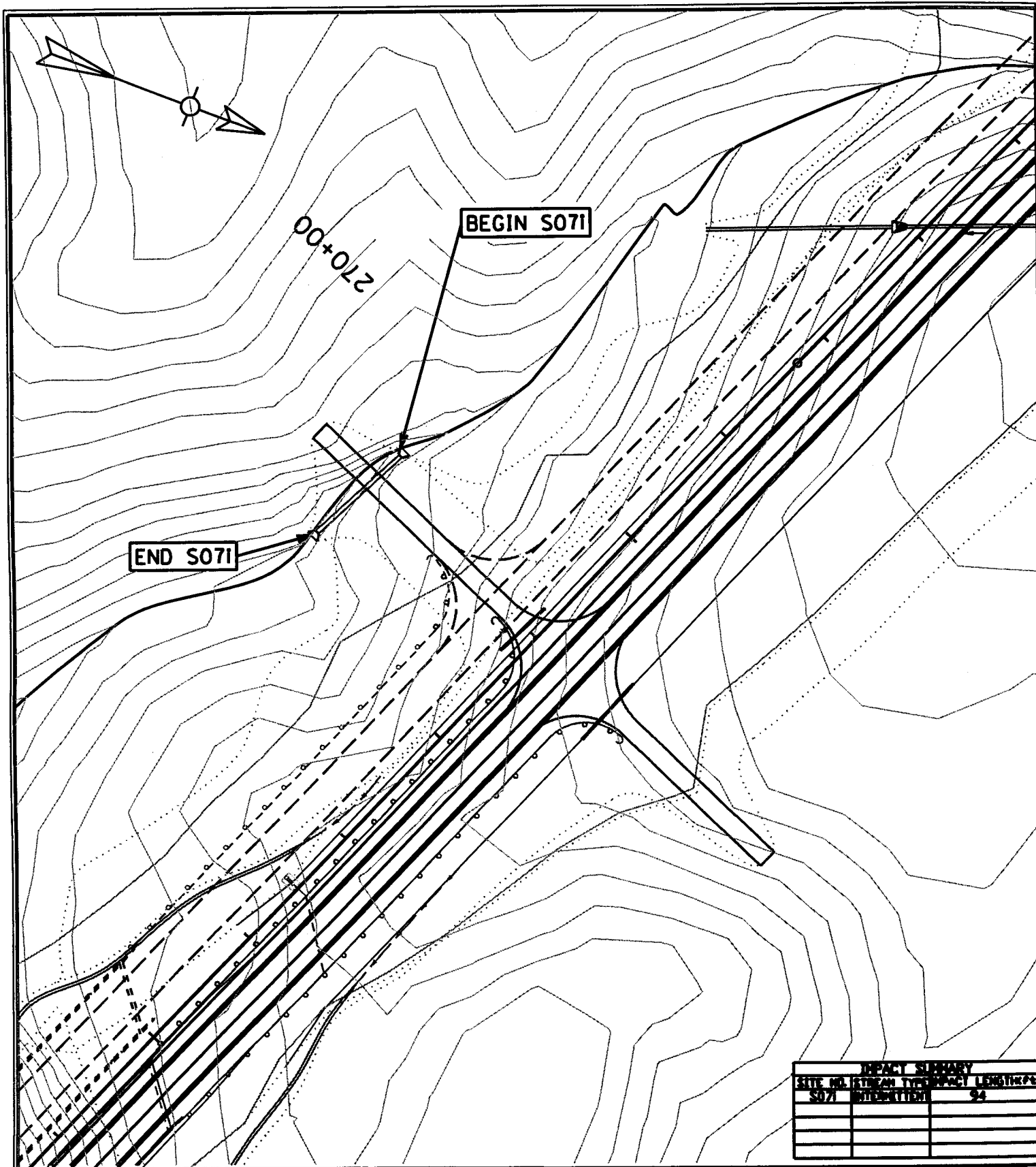
APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 256+46 TO STA 265+77 IMPACT PLAN
PROPOSED ACTIVITIES:

CLEAR FORK CREEK **ALBANY**
STREAM NAME: AT OR NEAR:

CLINTON **KENTUCKY**
COUNTY OF: STATE OF:

8-165.01,260.02,260.10 **20 of 42**
MILE POINT: ITEM NO.: SHEET NO.:



~NOTES~

Stream Impact No. S071

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

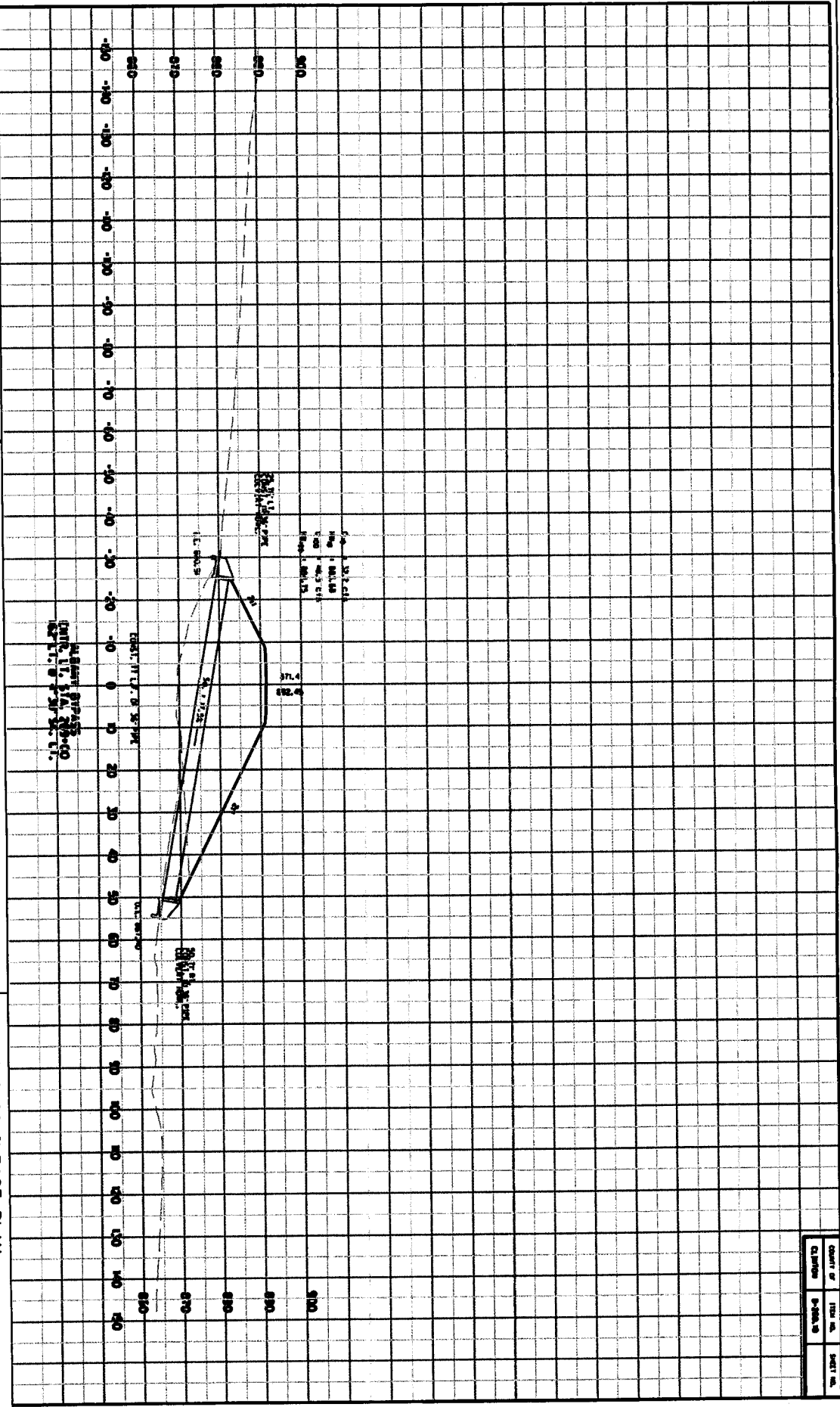
STA 263+73 TO STA 274+12 IMPACT PLAN
 PROPOSED ACTIVITIES:

UT CLEAR FORK CREEK **ALBANY**
 STREAM NAME: AT OR NEAR:

CLINTON **KENTUCKY**
 COUNTY OF: STATE OF:

8-165.01,260.02,260.10 **21 of 42**
 MILE POINT: ITEM NO.: SHEET NO.:

| COUNTY OF | ITEM NO. | SHEET NO. |
|-----------|----------|-----------|
| CLINTON | P-260.10 | |



~NOTES~

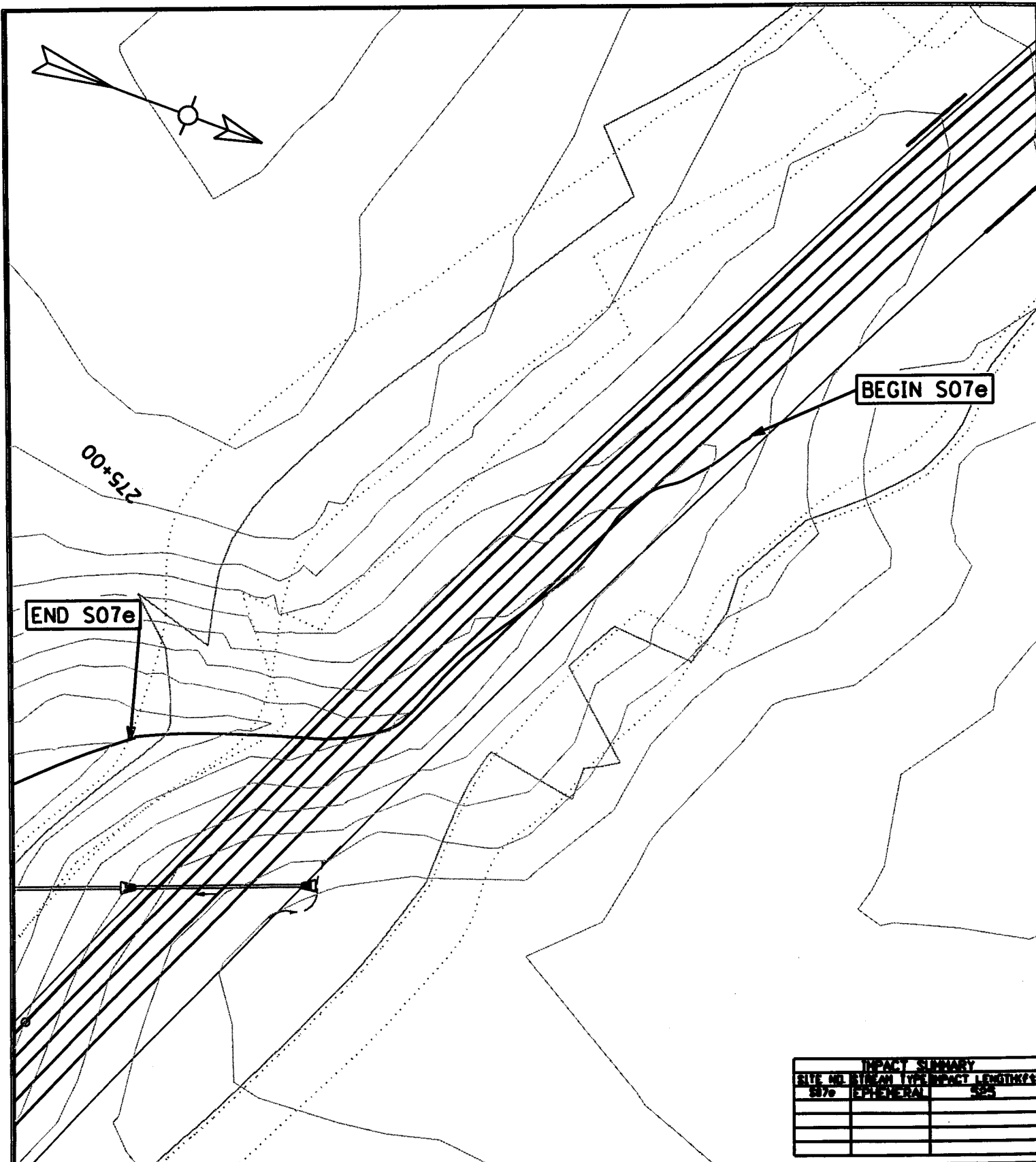
Stream Impact No. S071

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 269+00 IMPACT PLAN

| | | | |
|-----------------------|--|------------|--|
| PROPOSED ACTIVITIES: | | ALBANY | |
| U.I. CLEAR FORK CREEK | | AT OR NEAR | |
| COUNTY OF | | KENTUCKY | |
| CLINTON | | STATE OF | |
| 8-165.01.260.02. | | 22 OF 42 | |
| MILE POINT: | | SHEET NO.: | |
| ITEM NO.: | | | |

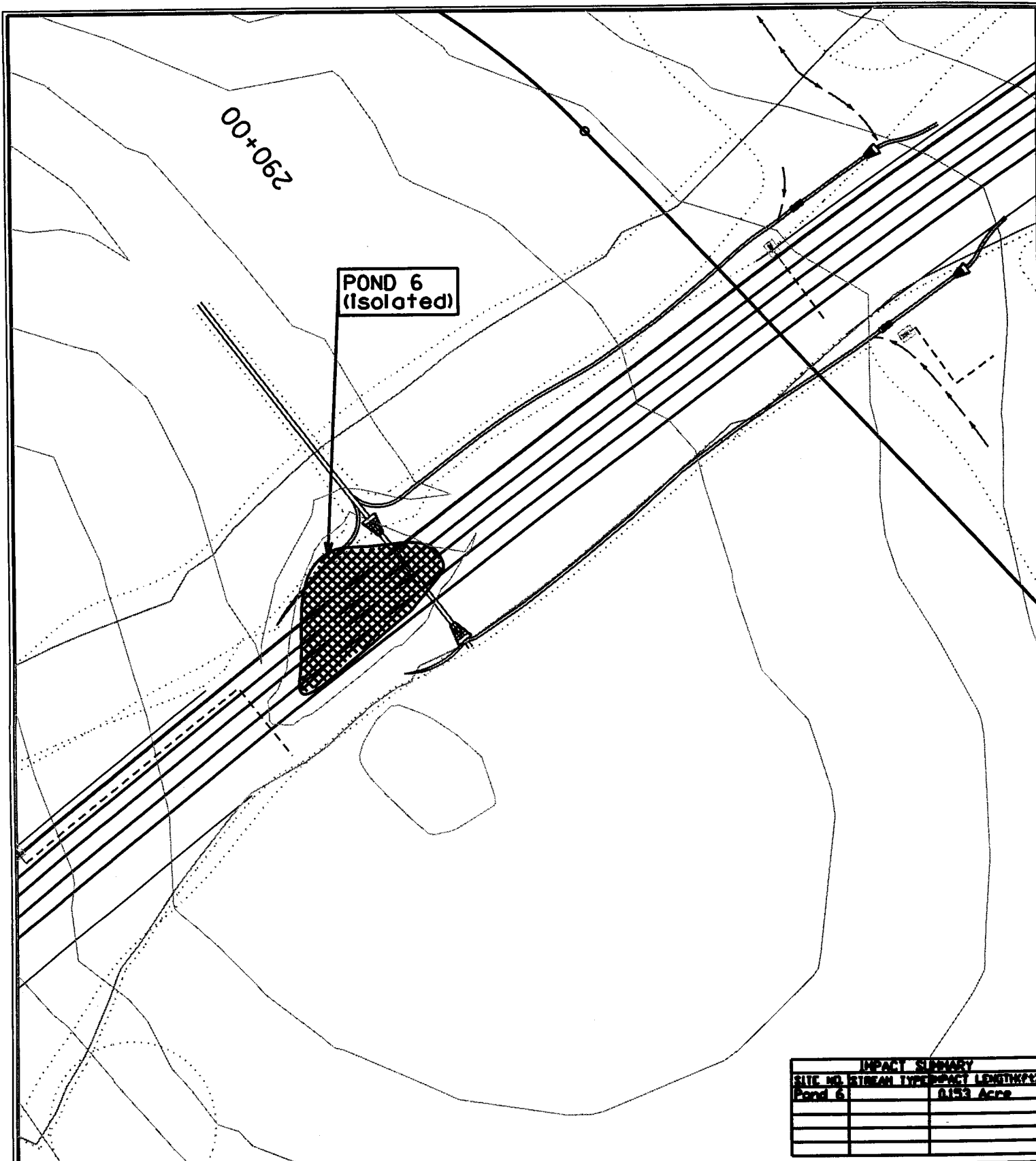


| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|------|
| RIVE NO. | STREAM TYPE | IMPACT LENGTH | FEET |
| 8076 | PERMANENT | 505 | |
| | | | |
| | | | |
| | | | |

~NOTES~
 Stream Impact No. S07e
 SCALE 1" = 100'

APPLICATION BY
 KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

| | |
|--------------------------------------|-------------|
| STA 271+64 TO STA 281+85 IMPACT PLAN | |
| PROPOSED ACTIVITIES: | |
| UT CLEAR FORK | ALBANY |
| STREAM NAME: | AT OR NEAR: |
| CLINTON | KENTUCKY |
| COUNTY OF: | STATE OF: |
| MILE POINT: | ITEM NO.: |
| 8-165.01,260.02,260.10 | 23 of 42 |
| | SHEET NO.: |



| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|----|
| SITE NO. | STREAM TYPE | IMPACT LENGTH | WY |
| Pond 6 | | 0.153 Acre | |
| | | | |
| | | | |
| | | | |

~NOTES~

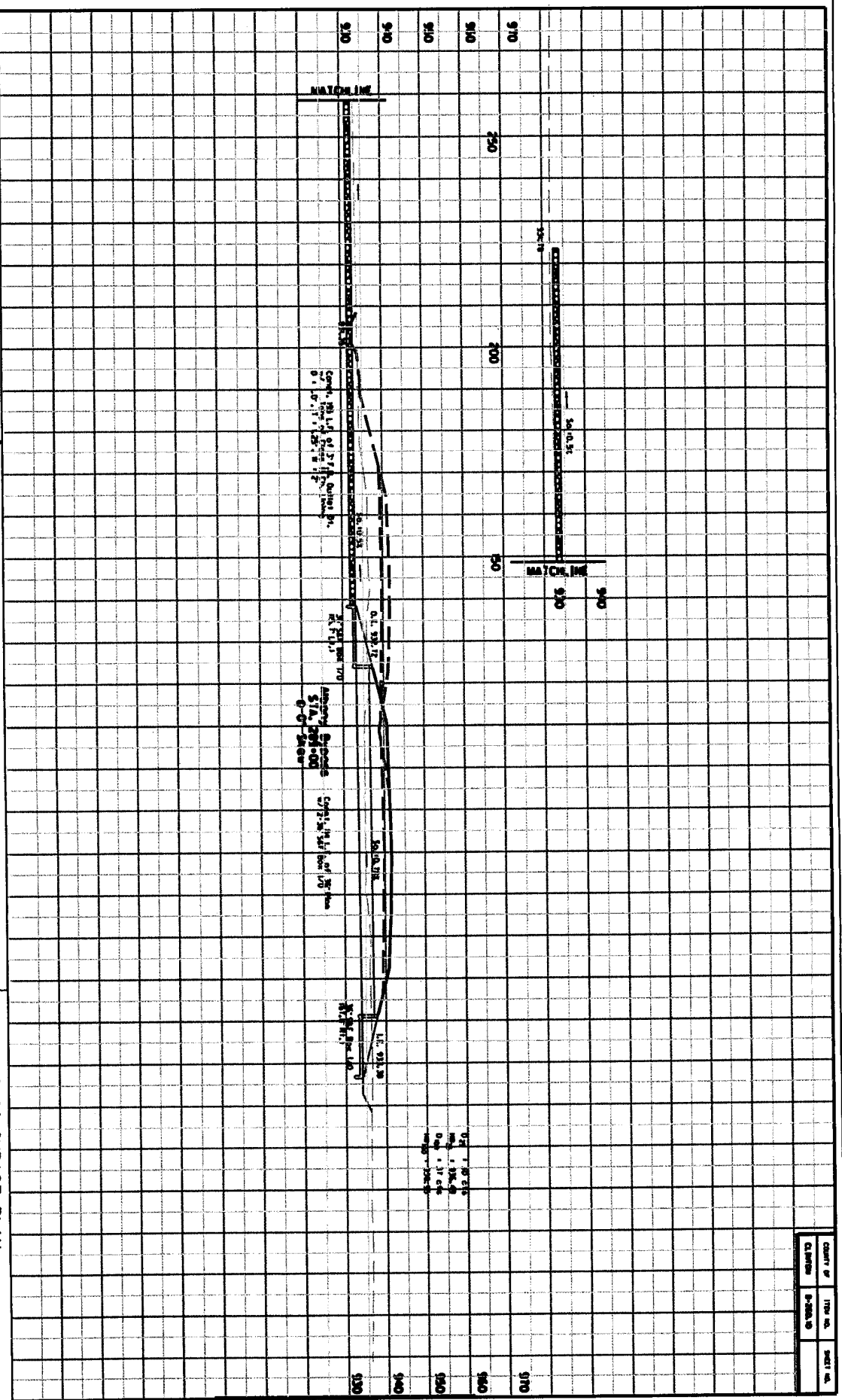
Pond Impact No. 6

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

STA 285+48 TO STA 294+81 IMPACT PLAN
 PROPOSED ACTIVITIES:

STREAM NAME: _____ AT OR NEAR: **ALBANY**
CLINTON **KENTUCKY**
 COUNTY OF: _____ STATE OF: _____
 MILE POINT: **8-165.01, 260.02, 260.10** ITEM NO.: **24 of 42** SHEET NO.: _____



~NOTES~

Pond Impact No. 6

SCALE 1' = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 289+00 IMPACT PLAN

PROPOSED ACTIVITIES:

STREAM NAME:

AT OR NEAR:

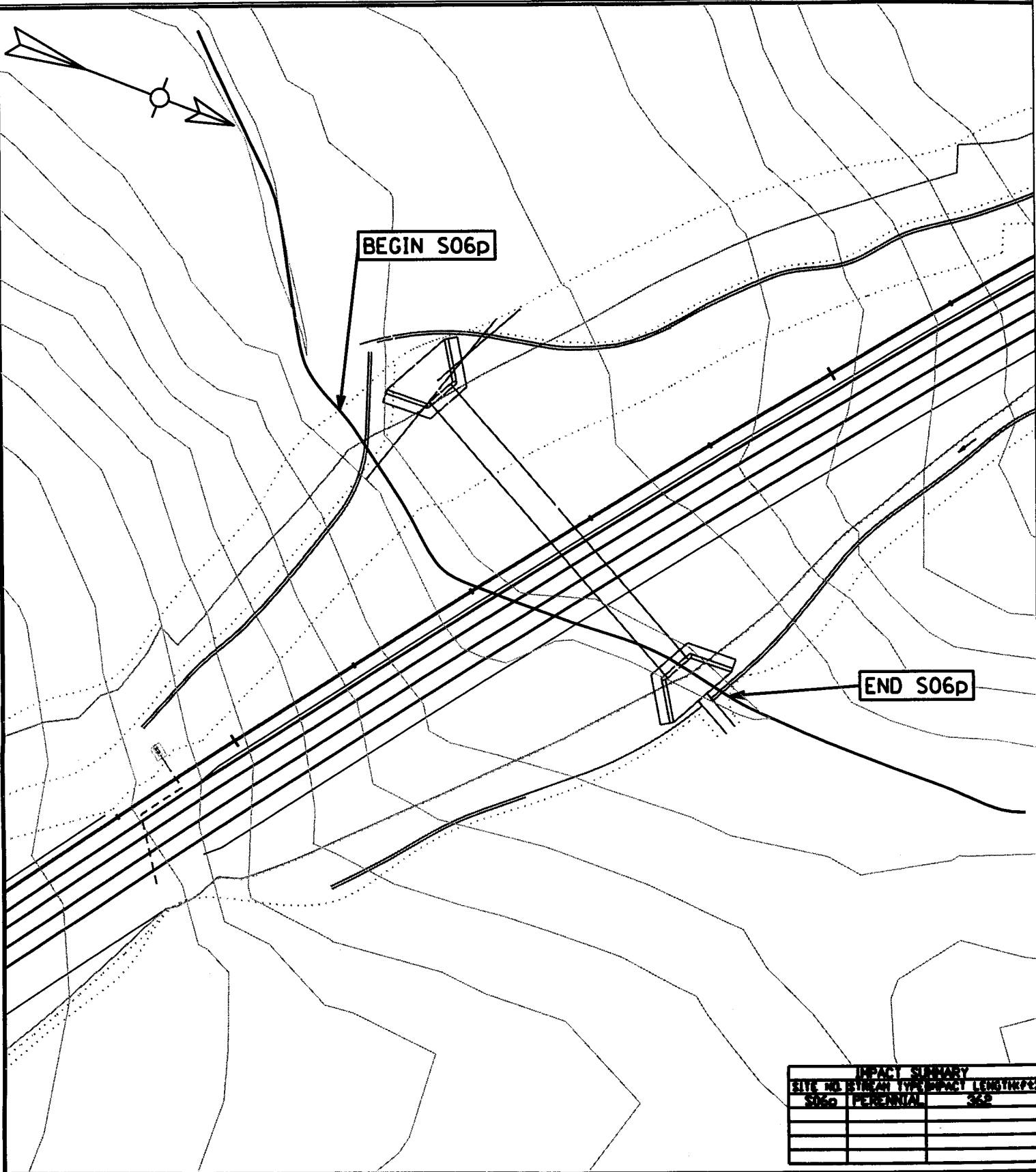
CLINTON
COUNTY OF:

KENTUCKY
STATE OF

MILE POINT:

3-165.01, 260.02,
260.10

25 of 42
Sheet No.:

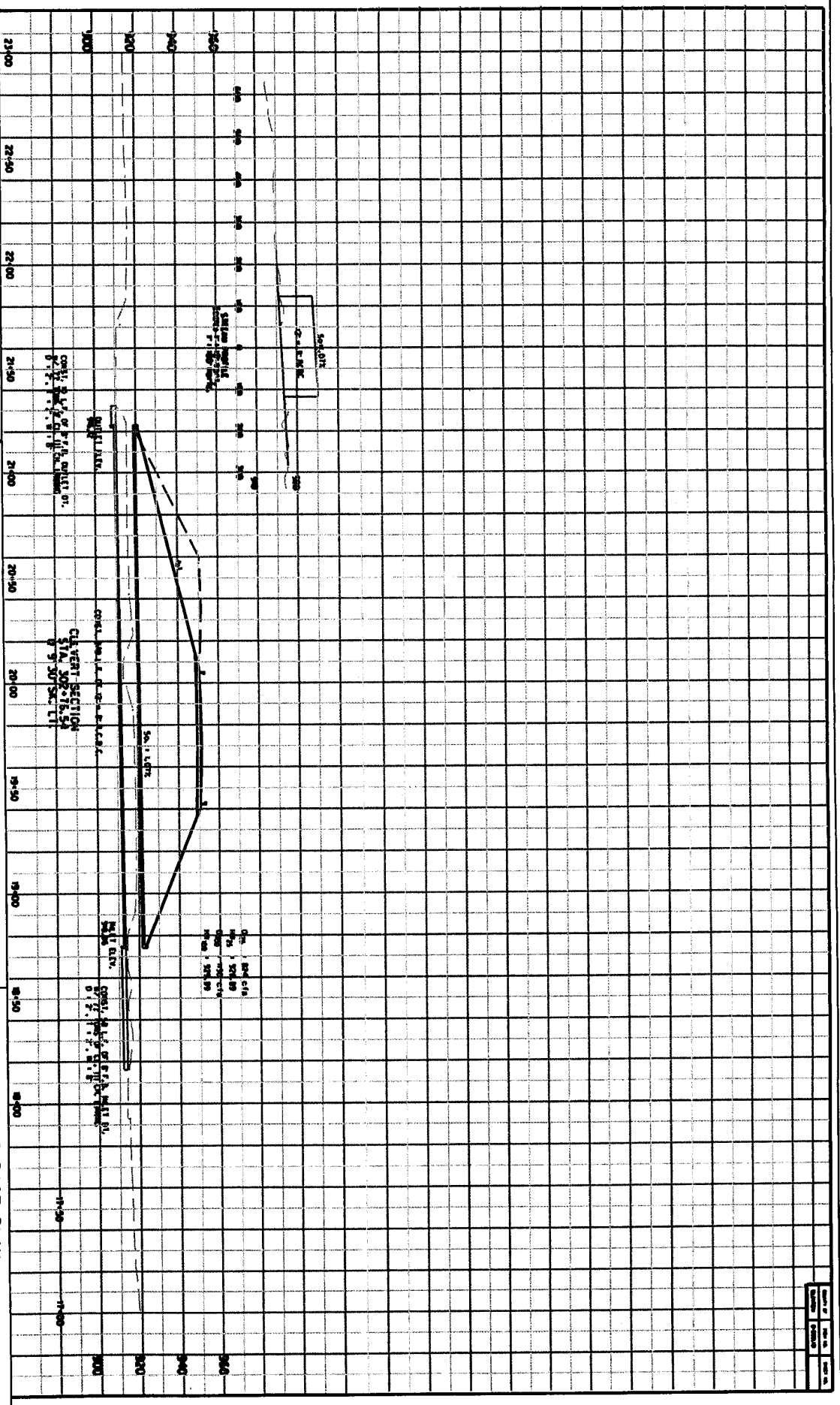


| IMPACT SUMMARY | | |
|----------------|-------------|----------------------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH (FEET) |
| S06p | PERENNIAL | 362 |
| | | |
| | | |
| | | |

~NOTES~
 Stream Impact No. S06p
 SCALE 1" = 100'

APPLICATION BY
 KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

| | |
|---|--------------------|
| STA 298+03 TO STA 306+70 IMPACT PLAN | |
| PROPOSED ACTIVITIES: | |
| CHURNTOP BRANCH | ALBANY |
| STREAM NAME: | AT OR NEAR: |
| CLINTON | KENTUCKY |
| COUNTY OF: | STATE OF: |
| MILE POINT: | ITEM NO.: 26 of 42 |
| 8-165.01, 260.02, 260.10 | SHEET NO.: |



~NOTES~

Stream Impact No. S06P

SCALE 1" = 20'

**APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

STA 302+76.54 IMPACT PLAN

PROPOSED ACTIVITIES:

Churntop Branch

STREAM NAME:

AT OR NEAR:

ALBANY

CLINTON

137

KENTUCKY

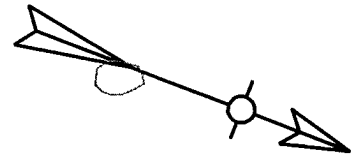
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|-------------------|--|
| 8-165.01, 260.02, | |
|-------------------|--|

MILE POINT:

ITEM NO. 1

0

34 10 17
JUL 1967



POND 4
(Isolated)

| IMPACT SUMMARY | | |
|----------------|-------------|---------------------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH @ 15' |
| POND 4 | | 0.24 Acres |
| | | |
| | | |
| | | |

~NOTES~

Pond Impact No. 4

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 312+64 TO STA 320+89 IMPACT PLAN
PROPOSED ACTIVITIES:

STREAM NAME: ALBANY
AT OR NEAR:

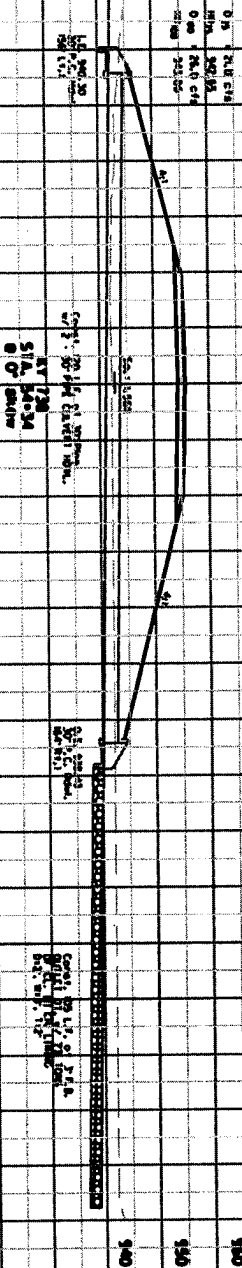
COUNTY OF: CLINTON STATE OF: KENTUCKY

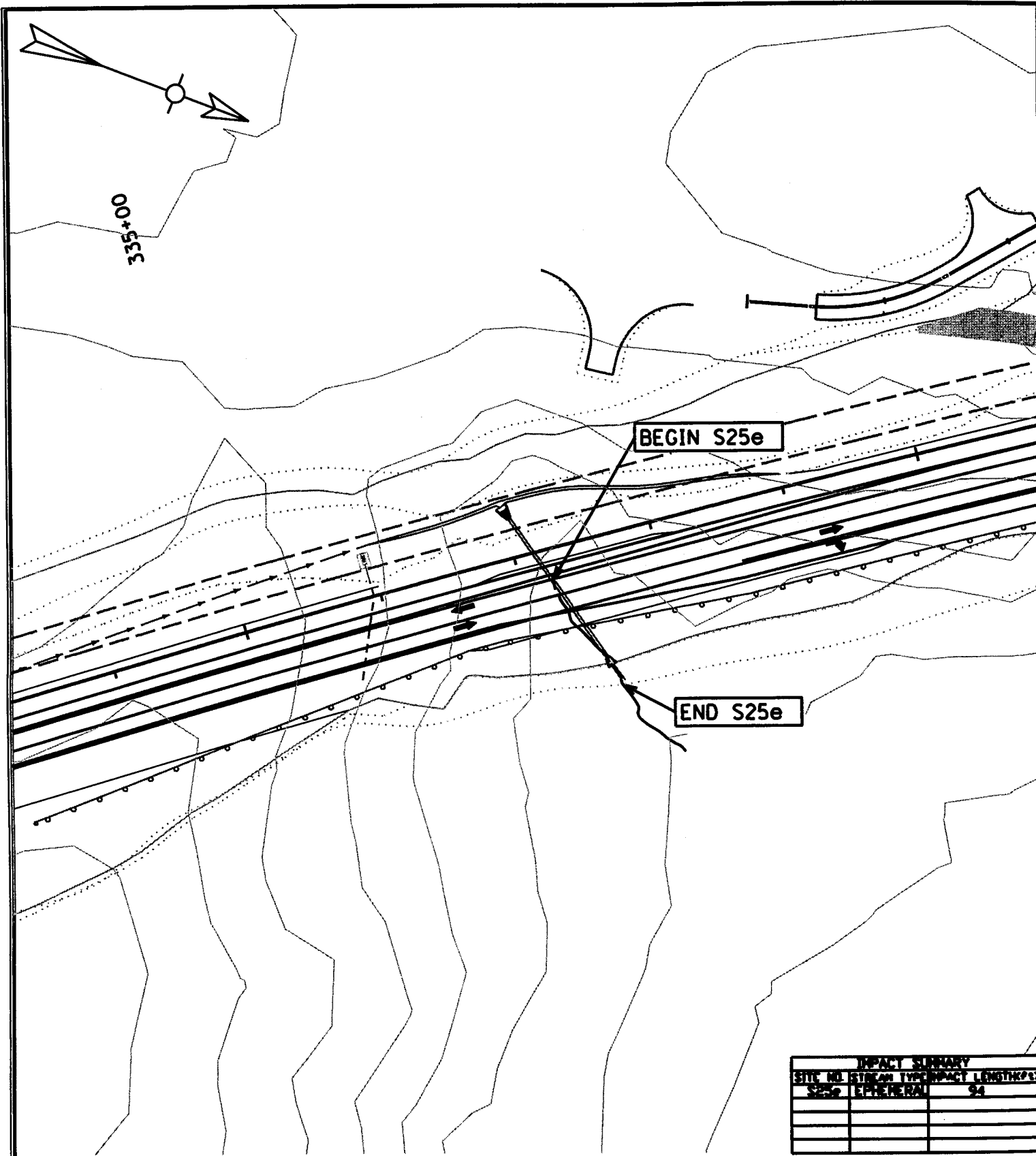
MILE POINT: 8-165.01, 260.02, 260.10 28 of 42
ITEM NO.: SHEET NO.:

| | |
|-----------------------------|------------|
| STA 54+34 IMPACT PLAN | |
| PROPOSED ACTIVITIES: | |
| STREAM NAME: | ALBANY |
| AT OR NEAR: | |
| COUNTY OF: | STATE OF: |
| CLINTON | KENTUCKY |
| 8-165.01, 260.02, 260.10 | 29 of 42 |
| ITEM NO.: | SHEET NO.: |
| | |

Pond Impact No. 4

**APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**





| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|------|
| SITE NO | STREAM TYPE | IMPACT LENGTH | FEET |
| S25e | PERMANENT | 94 | |
| | | | |
| | | | |
| | | | |

~NOTES~

Stream Impact No. S25e

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
 TRANSPORTATION CABINET
 DEPARTMENT OF HIGHWAYS

STA 333+24 TO STA 340+92 IMPACT PLAN

PROPOSED ACTIVITIES:

U.T. CHURNTOP BRANCH **ALBANY**

STREAM NAME: AT OR NEAR:

CLINTON **KENTUCKY**

COUNTY OF: STATE OF:

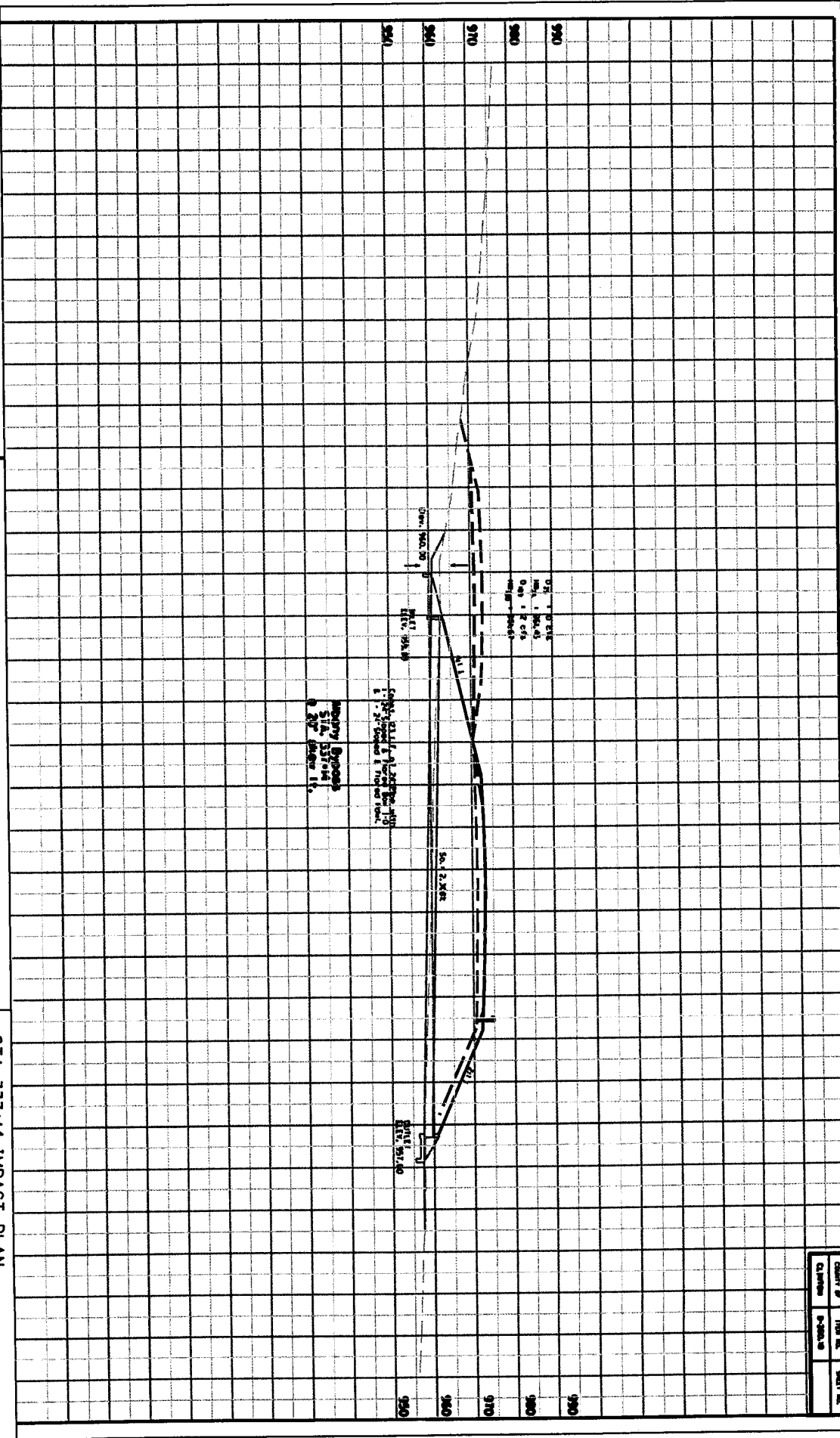
8-165.01,260.02,260.10 **30 of 42**

MILE POINT:

ITEM NO.:

SHEET NO.:

| COUNTY OF | TRIP NO. | SHEET NO. |
|-----------|----------|-----------|
| CLINTON | P-280.10 | |



~NOTES~

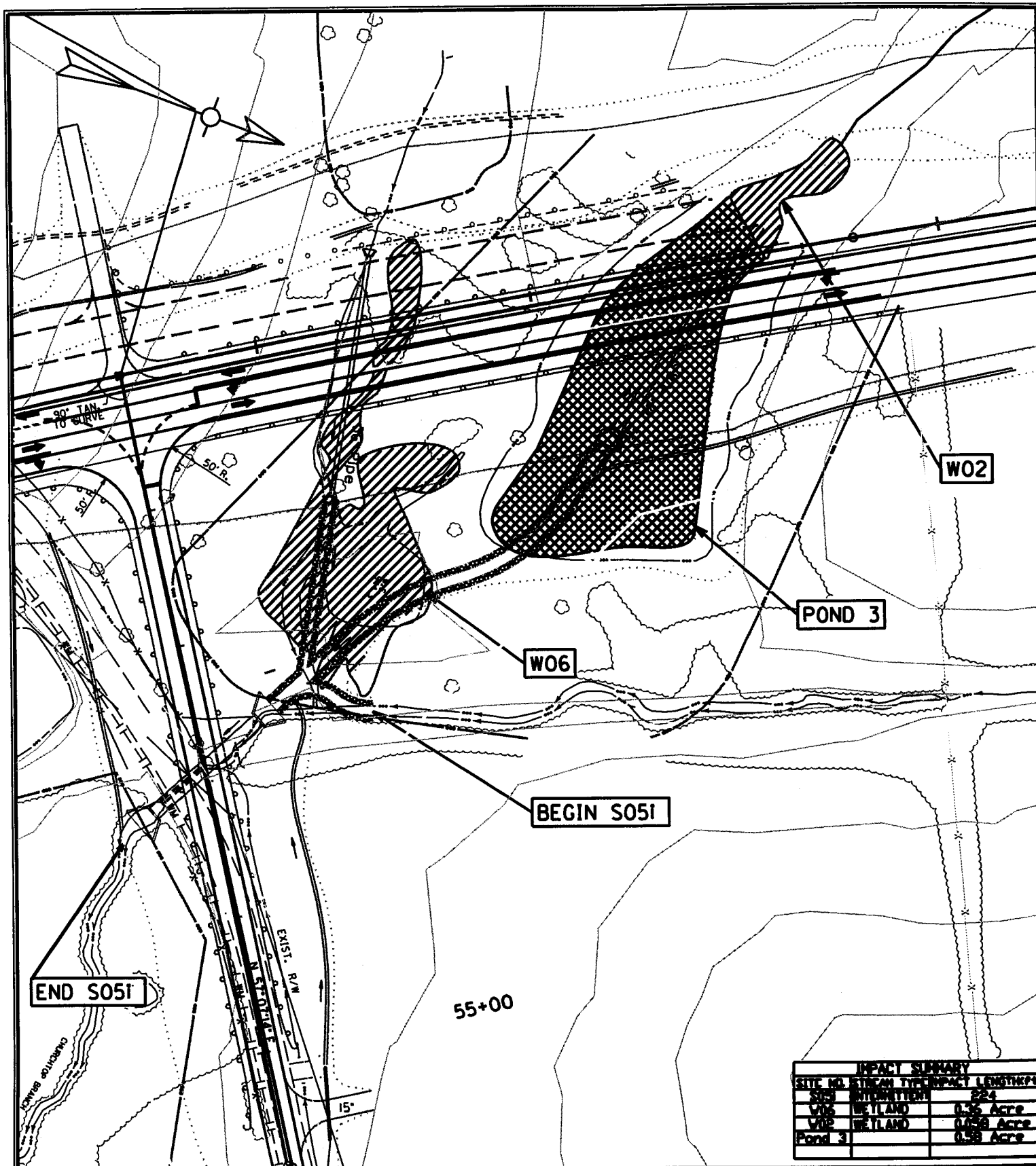
Stream Impact No. S25e

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 337+14 IMPACT PLAN

| PROPOSED ACTIVITIES: | | | |
|-----------------------|--|------------|--|
| U. T. CHURNTOP BRANCH | | ALBANY | |
| STEADY WARD | | AT OR NEAR | |
| CLINTON | | KENTUCKY | |
| COUNTY OF: | | STATE OF: | |
| 8-165-01-260.02, | | 31 of 42 | |
| DATE POINTS | | SHEET NO. | |
| TRIP NO. 1 | | | |



~NOTES~

Stream Impact No. S051
Wetland Impact No. W06
Wetland Impact No. W02
Pond Impact No. 3

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

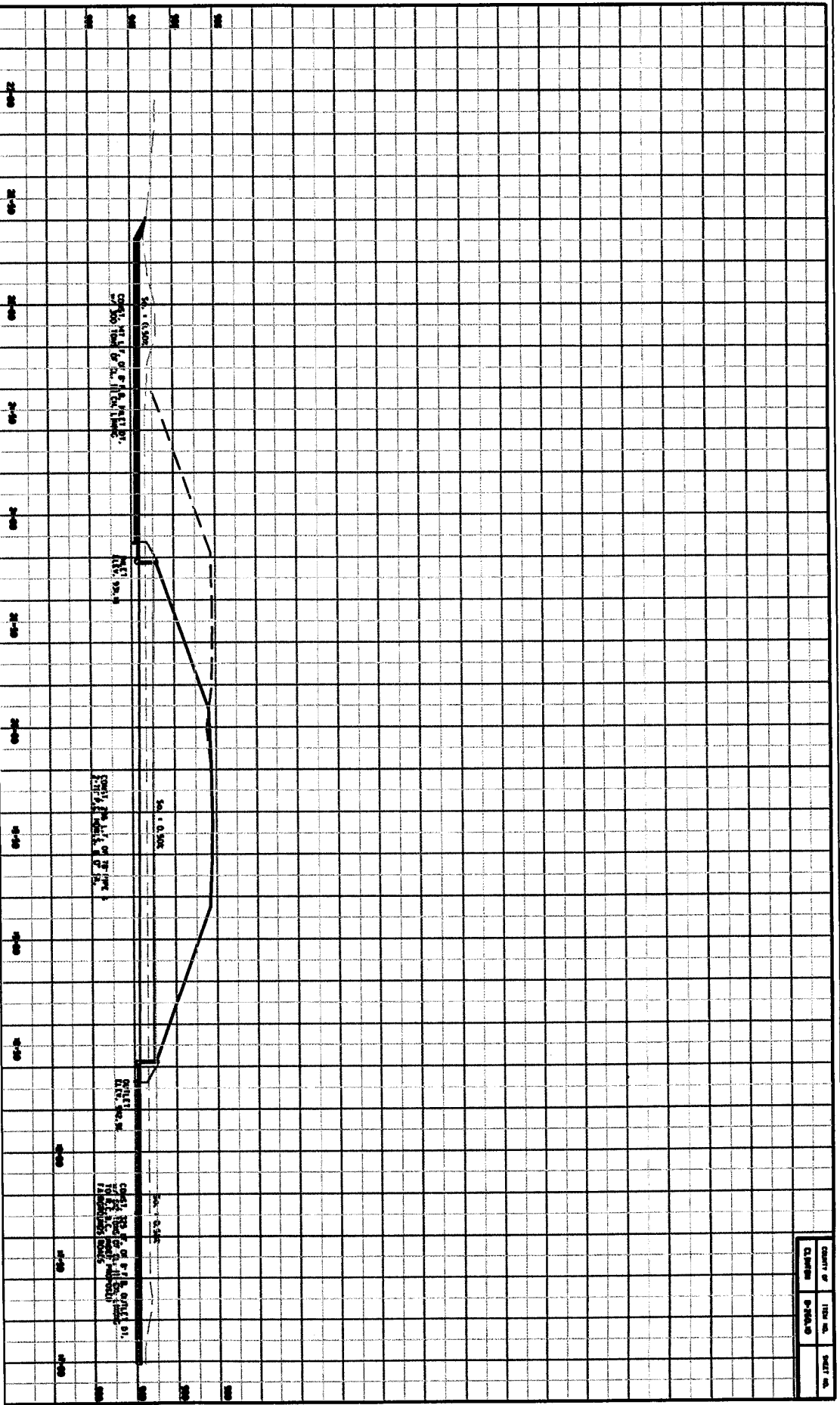
STA 343+20 TO STA 350+71 IMPACT PLAN
PROPOSED ACTIVITIES:

U T CHURNTOP BRANCH ALBANY
STREAM NAME: AT OR NEAR:

CLINTON KENTUCKY
COUNTY OF: STATE OF:

8-165.01,260.02,260.10 32 of 42

| COUNTY OF | ITEM NO. | SHEET NO. |
|-----------|----------|-----------|
| CLINTON | P-260.0 | |



~NOTES~

Wetland Impact No. W02
Pond Impact No. 3

SCALE 1" = 20'

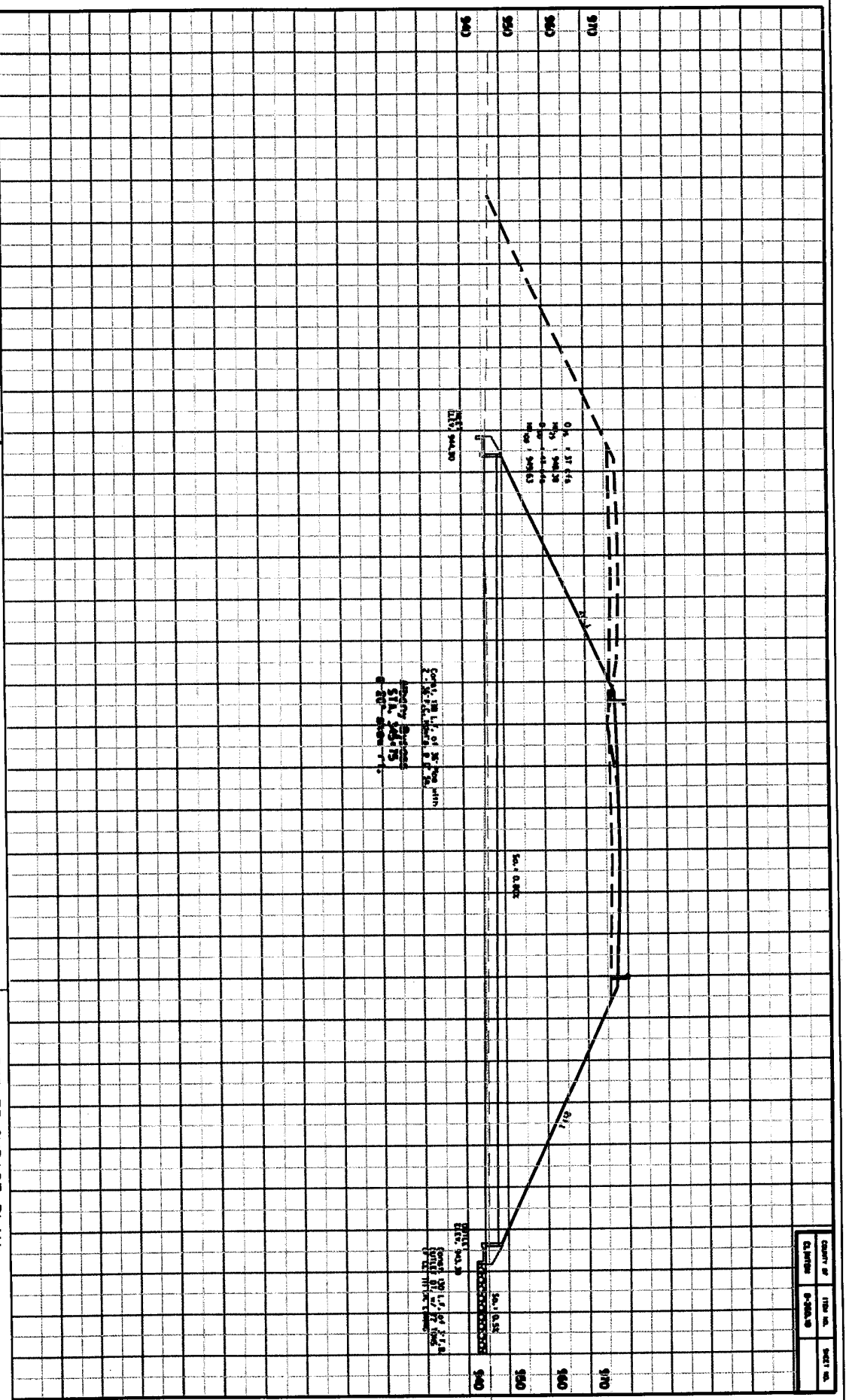
APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 348+00 IMPACT PLAN

PROPOSED ACTIVITIES

| | | | |
|--------------|--|-------------------------|--|
| STREET NAME: | | ALBANY | |
| COUNTY OF: | | CLINTON | |
| STATE OF: | | KENTUCKY | |
| MILE POINT: | | 8-165.01 260.02, 260.10 | |
| ITEM NO.: | | 33 OF 42 | |
| SHEET NO.: | | 33 OF 42 | |

34 of 42
SHEET NO.:



~NOTES~

Wetland Impact No. W06

SCALE 1" = 10'

**APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

STA 345+75 IMPACT PLAN

PROPOSED ACTIVITIES:

STREAM NAME:

ΔT OR ME.

CLINTON

1121

| | |
|---|--|
| 8 | |
|---|--|

60.02,

MILE POINTS:

ITEM NO. 260

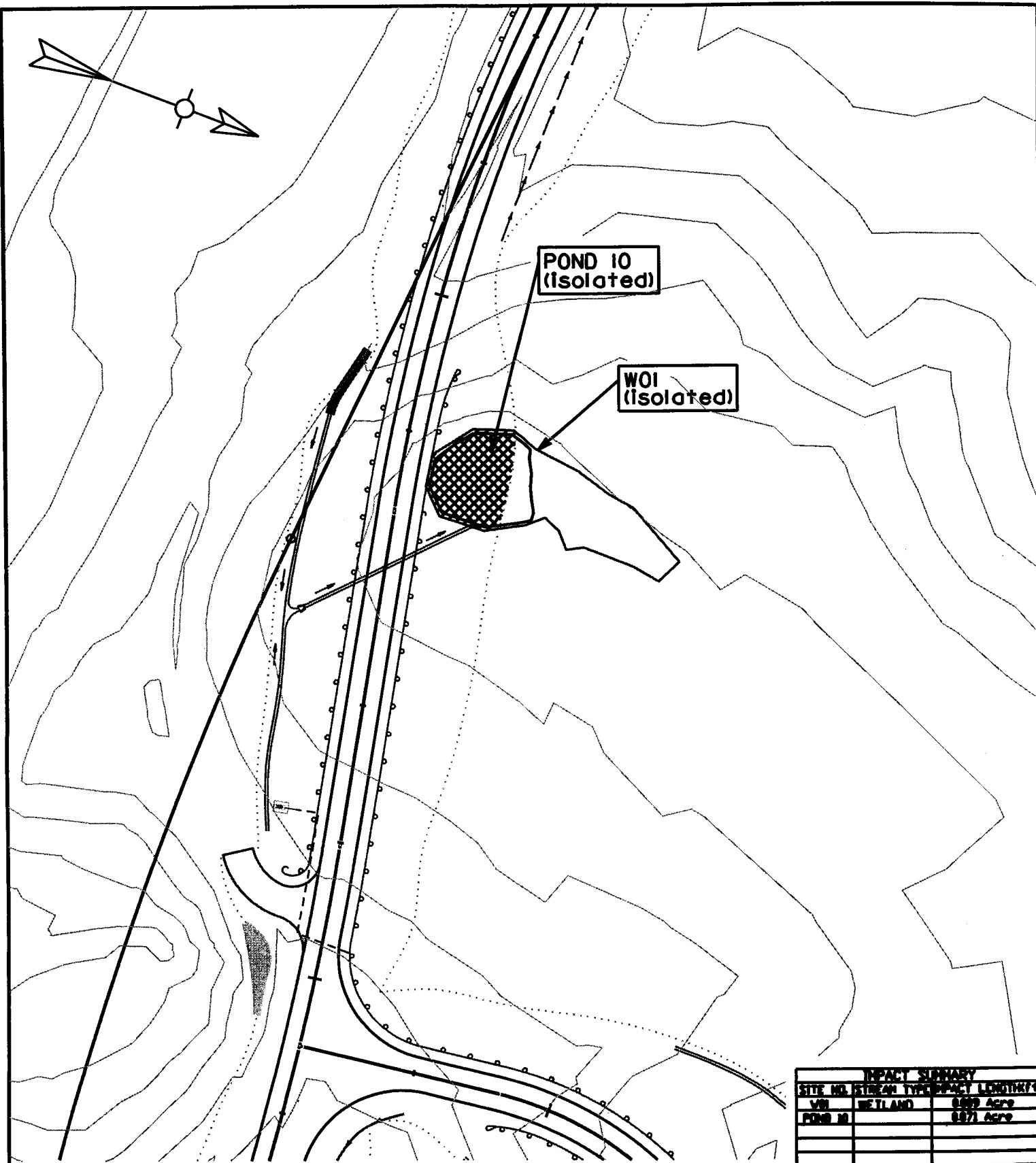
9

ALBANY

KENTUCKY

35 of 42

SHEET NO.



| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|-------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH | TYPE |
| W01 | WETLAND | 8,882 | Acres |
| POND 10 | | 8,871 | Acres |
| | | | |
| | | | |

~NOTES~

Wetland Impact No. W01
Pond Impact No. 10

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

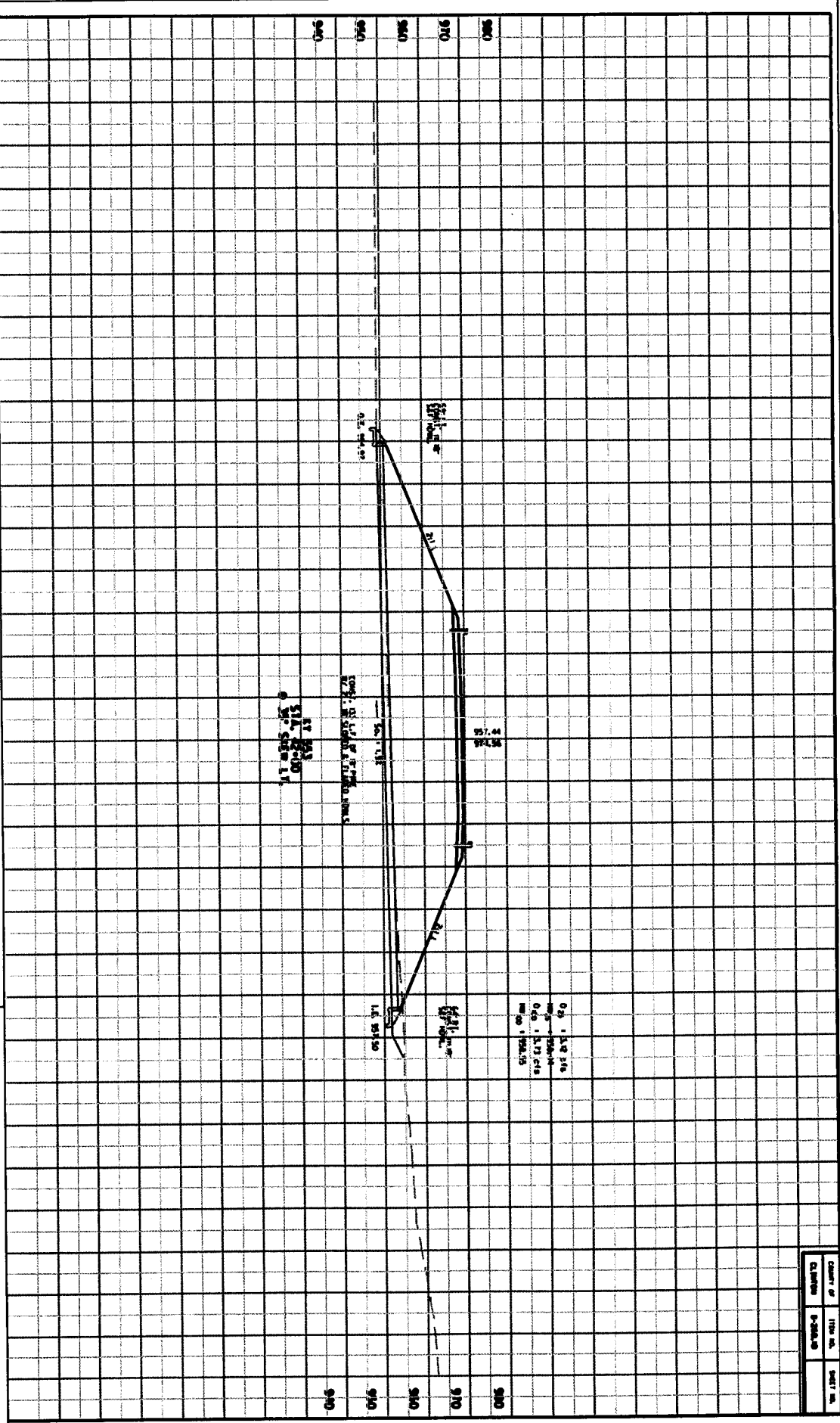
STA 379+85 TO STA 387+39 IMPACT PLAN
PROPOSED ACTIVITIES:

STREAM NAME: _____ AT OR NEAR: **ALBANY**

COUNTY OF: **CLINTON** STATE OF: **KENTUCKY**

MILE POINT: **8-165.01, 260.02, 260.10** ITEM NO.: **38** of **42** SHEET NO.: **42**

| CLIMATE | TEMP. IN. | SHEET NO. |
|---------|-----------|-----------|
| CLIMATE | TEMP. IN. | SHEET NO. |



~NOTES~

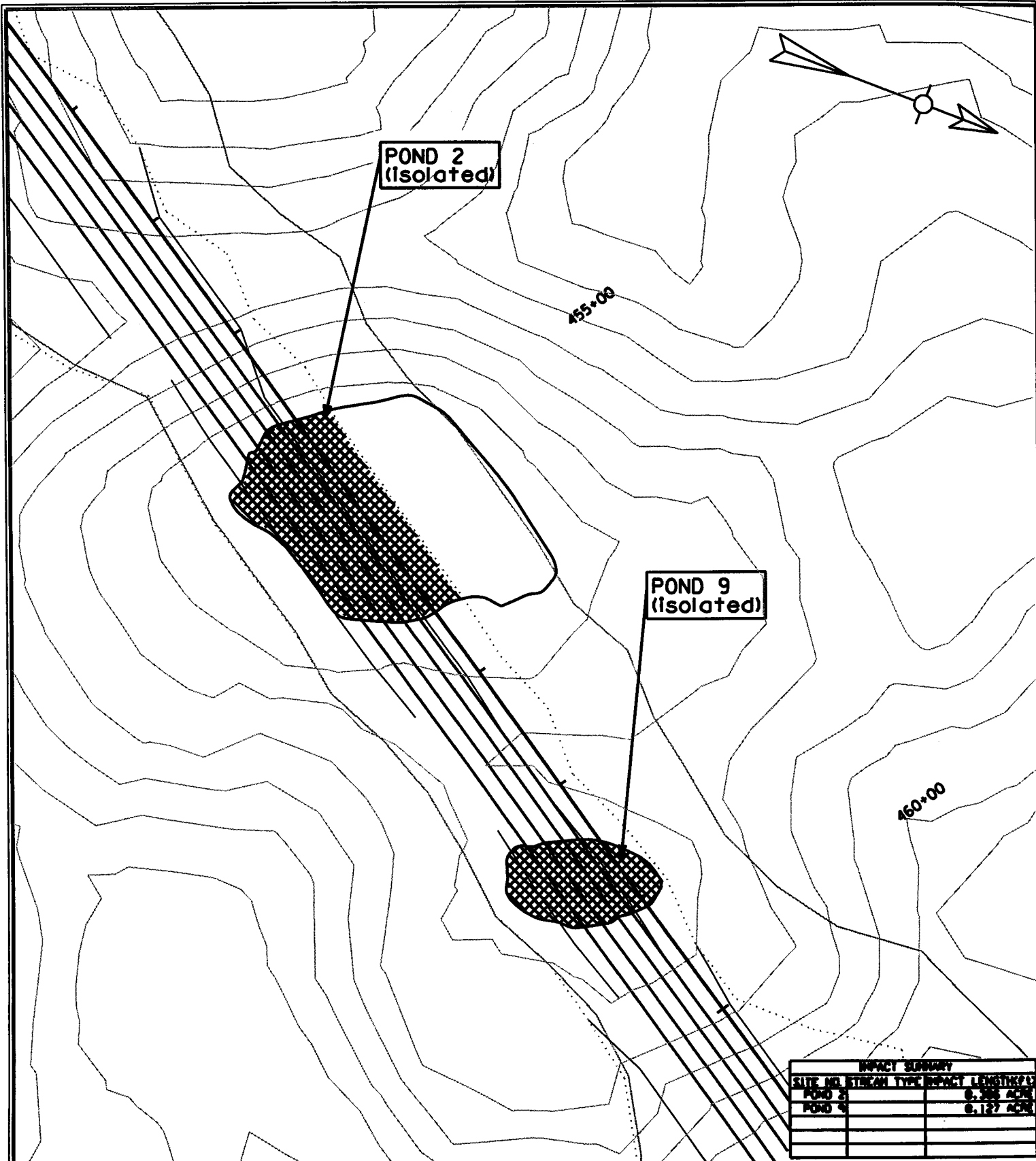
Wetland Impact No. WOI
Pond Impact No. 10

SCALE 1" = 10'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 42+00 IMPACT PLAN

| | | | |
|---------------------|--------------------------|-------------|----------|
| PROPOSED ACTIVITIES | | ALBANY | |
| STREAM NAME: | | AT OR NEAR: | |
| COUNTY OF: | CLINTON | STATE OF: | KENTUCKY |
| MILE POINT: | 8-165.01, 260.02, 260.10 | SHEET NO.: | 39 of 42 |



~NOTES~

Pond Impact No. 2
Pond Impact No. 9

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 451+76 TO STA 460+76 IMPACT PLAN
PROPOSED ACTIVITIES:

STREAM NAME: _____ AT OR NEAR: **ALBANY**
COUNTY OF: **CLINTON** STATE OF: **KENTUCKY**
MILE POINT: **8-165.01, 260.02, 260.10** 40 of 42
ITEM NO.: _____ SHEET NO.: _____

555+00

END S01e

BEGIN S01e

| IMPACT SUMMARY | | | |
|----------------|-------------|---------------|------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH | TYPE |
| S01e | EPHEMERAL | 38 | |
| | | | |
| | | | |
| | | | |

~NOTES~

Stream Impact No. S01e

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 553+02 TO STA 561+54 IMPACT PLAN
PROPOSED ACTIVITIES:

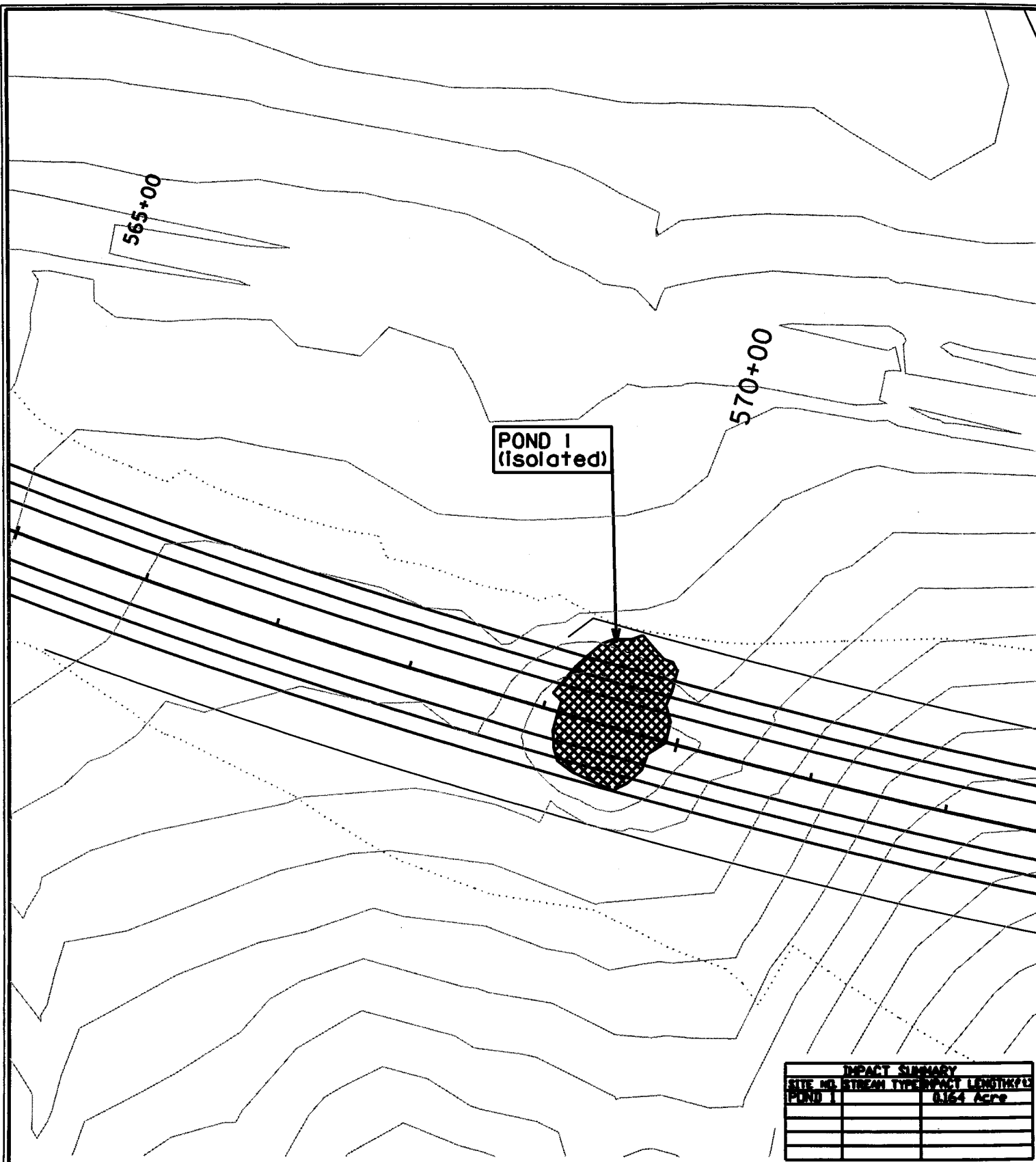
U T CHURNTOP BRANCH ALBANY

STREAM NAME: AT OR NEAR:

CLINTON KENTUCKY

COUNTY OF: STATE OF:

8-165.01,260.02,260.10 41 of 42
MILE POINT: ITEM NO.: SHEET NO.:



| IMPACT SUMMARY | | |
|----------------|-------------|------------------|
| SITE NO. | STREAM TYPE | IMPACT LENGTH/Ft |
| POND 1 | | 0.164 Acre |
| | | |
| | | |
| | | |

~NOTES~

Pond Impact No. 1

SCALE 1" = 100'

APPLICATION BY
KENTUCKY
TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

STA 565+00 TO STA 572+65 IMPACT PLAN
PROPOSED ACTIVITIES:

| | | |
|--------------|--------------------------|-------------|
| STREAM NAME: | | AT OR NEAR: |
| CLINTON | | ALBANY |
| COUNTY OF: | STATE OF: | |
| | KENTUCKY | |
| MILE POINT: | 8-165.01, 260.02, 260.10 | 42 of 42 |
| | ITEM NO.: | SHEET NO.: |

Mitigation

Streams

Tables 1 and 2 (following pages) list all stream impacts, and whether mitigation is required. Required mitigation will be in the form of in-lieu fee. The total fee for stream impacts is \$526,020.00.

Man-Made Open-Water Ponds

Table 3 (following pages) lists all pond impacts, and the corresponding estimated impact to the streams which the ponds replaced.

Wetlands

A total of 0.42 acres of wetland will be impacted by the project (see Table 4 following, and Appendix A for Wetland Determination Data Forms). KYTC proposes to mitigate these wetland impacts through payment of in-lieu fee. Please see Table 4 for calculated in-lieu fees. The total fee for wetland impacts is \$25,920.00.

Total In-Lieu Fee for Project Impacts

The total fee for project impacts to jurisdictional waters is \$551,940.00

Appendices

Appendix A: Wetland Determination Data Forms

Appendix B: Impact Site Photos and Scores

TABLE 1: US 127 realignment - Clinton County - Stream Impact Summary

| 14-Digit HUC | Site | Name | Highway Sta. | Lat-Long | Sheet No. | Impact Category | Stream Type | Permit Type | Watershed (acres) | Stream Impact Length (ft) | Stream Impact Area (acres) | RBP Score | Rifle Pool Complex | Mitigation Required |
|------------------|------|------------------------|--------------|------------------|-----------|--------------------------------|-------------|-------------|-------------------|---------------------------|----------------------------|-----------|--------------------|---------------------|
| 05130105-180-040 | S19e | U.T. Lick Creek | 75+00 | 36.6270, 85.0908 | 2 | Culvert & Inlet/Outlet Channel | Eph | NW 14 | 14.2 | 95 | 0.098 | NA | No | No |
| 05130105-210-090 | S18p | Spring Creek | 189+68 | 36.6536, 85.1114 | 3 | Bridge, no impact | Per | none | 23660.8 | 0 | 0.000 | NA | NA | No |
| 05130105-210-090 | S13p | U.T. Spring Creek | 190+00 | 36.6538, 85.1112 | 3,9,10,11 | Culvert & Channel Change | Per | Ind | 192.8 | 2073 | 0.4436 | 109 | Yes | Yes |
| 05130105-210-090 | S16e | U.T. Spring Creek | 199+84 | 36.6559, 85.1131 | 7 | Culvert & Outlet Channel | Eph | NW 14 | 2.4 | 229 | 0.0092 | NA | No | No |
| 05130105-210-090 | S17s | U.T. Spring Creek | 215+92 | 36.6622, 85.1120 | 13,15 | Culverts | Eph | NW 14 | 20.4 | 674 | 0.062 | NA | No | No |
| 05130105-210-090 | S22p | U.T. Spring Creek | 216+00 | 36.6601, 85.1152 | 10 | Fill | Per | NW 14 | 10.4 | 42 | 0.0036 | NA | No | No |
| 05130105-210-090 | S21e | U.T. Spring Creek | 237+00 | 36.6604, 85.1150 | 10 | Culvert & Inlet Channel | Eph | NW 14 | 10.4 | 244 | 0.017 | NA | No | No |
| 05130105-210-090 | S15f | U.T. Spring Creek | 220+80 | 36.6603, 85.1154 | 11 | Culvert | Int | NW 14 | 4.0 | 104 | 0.005 | NA | No | No |
| 05130105-210-090 | S15e | U.T. Spring Creek | 221+29 | 36.6602, 85.1154 | 11 | Culvert | Eph | NW 14 | 2.1 | 212 | 0.008 | NA | No | No |
| 05130105-210-090 | S14e | U.T. Spring Creek | 223+34 | 36.6612, 85.1159 | 11 | Channel Change | Eph | NW 14 | 2.5 | 295 | 0.012 | NA | No | No |
| 05130105-210-100 | S05e | U.T. Clear Fork Branch | 276+16 | 36.6682, 85.1207 | 17 | Channel Change | Eph | NW 14 | 2.5 | 90 | 0.004 | NA | No | No |
| 05130105-210-100 | S09f | U.T. Clear Fork Branch | 237+58 | 36.6642, 85.1206 | 17 | Culvert & Inlet/Outlet Channel | Int | NW 14 | 21.8 | 393 | 0.0370 | 100 | No | Yes |
| 05130105-210-100 | S24e | U.T. Clear Fork Branch | 237+30 | 36.6634, 85.1212 | 17 | Fill | Eph | NW 14 | 2.0 | 92 | 0.0035 | NA | No | No |
| 05130105-210-100 | S12e | U.T. Clear Fork Branch | 254+62 | 36.6653, 85.1262 | 19,20 | Channel Change | Eph | NW 14 | 6.7 | 785 | 0.047 | NA | No | No |
| 05130105-210-100 | S11e | U.T. Clear Fork Branch | 261+28 | 36.6661, 85.1283 | 20 | Fill | Eph | NW 14 | 1.0 | 26 | 0.001 | NA | No | No |
| 05130105-210-100 | S10p | U.T. Clear Fork Branch | 262+08 | 36.6664, 85.1287 | 20 | Bridge, no impact | Per | none | 6080.0 | 0 | 0.0000 | NA | NA | No |
| 05130105-210-100 | S07f | U.T. Clear Fork Branch | 268+44 | 36.6669, 85.1305 | 21 | Culvert | Int | NW 14 | 22.1 | 94 | 0.009 | NA | No | No |
| 05130105-210-100 | S07e | U.T. Clear Fork Branch | 279+05 | 36.6682, 85.1318 | 21 | Channel Change | Eph | NW 14 | 10.4 | 525 | 0.147 | NA | No | No |
| 05130105-210-120 | S06p | U.T. Churntop Branch | 302+76 | 36.6715, 85.1405 | 26 | Culvert & Inlet/Outlet Channel | Per | NW 14 | 800.0 | 362 | 0.133 | 135 | Yes | Yes |
| 05130105-210-120 | S25e | U.T. Churntop Branch | 357+14 | 36.6794, 85.1483 | 30 | Culvert & Inlet/Outlet Channel | Eph | NW 14 | 4.5 | 94 | 0.005 | NA | No | No |
| 05130105-210-120 | S05f | U.T. Churntop Branch | 343+43 | 36.6803, 85.1493 | 32 | Culvert & Inlet/Outlet Channel | Int | NW 14 | 416.0 | 224 | 0.064 | 153 | Yes | Yes |
| 05130105-210-120 | S03e | U.T. Churntop Branch | 373+08 | 36.6869, 85.1549 | 36 | Culvert & Inlet/Outlet Channel | Eph | NW 14 | 9.3 | 459 | 0.031 | NA | No | No |
| 05130105-210-100 | S01e | U.T. Churntop Branch | 556+70 | 36.7325, 85.1440 | 41 | Fill | Eph | NW 14 | 8.3 | 38 | 0.002 | NA | No | No |

| TABLE 1: US 127 REALIGNMENT - CLINTON COUNTY - STREAM IMPACT AND MITIGATION SUMMARY | | | | | | | | | | | | | | | | | | |
|---|-------------|----------------|--------------------------------|-------------------------|-------------|-------------------|-----------------|---------------|-------|-------|----------------------|---------------------|-------------------|--------------|-------------|---------------|---------|--------------|
| Station | Stream Type | Type of Impact | Before Impact | | | Initial RBP Score | Initial Quality | Impact Length | Ratio | Debit | Mitigation Required? | Predicted RBP score | Predicted Quality | After Impact | | | Credits | Balance |
| | | | Average of Impact | Watershed size in acres | Initial RBP | | | | | | | | | Final Length | Final Ratio | Final Quality | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| S19e | 76+00 | Eph | Culvert & Inlet/Outlet Channel | 0.008 | 15 | NA | NA | 95 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S18p | 189+68 | Per | Bridge, no impact | 0.000 | 23661 | NA | NA | 0 | NA | 0 | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S13p | 190+00 | Per | Culvert & Channel Change | 0.444 | 192 | 109 | Poor | 2073 | 1.5 | 3110 | Yes | 0 | NA | 0 | 0.00 | 0 | -3110 | \$373,140.00 |
| S16e | 199+84 | Eph | Culvert & Outlet Channel | 0.009 | 2 | NA | NA | 229 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S17e | 215+92 | Eph | Culverts | 0.062 | 20 | NA | NA | 674 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S22p | 216+00 | Per | Fill | 0.003 | 10 | NA | NA | 42 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S21e | 217+00 | Eph | Culvert & Inlet Channel | 0.017 | 10 | NA | NA | 244 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S15t | 220+80 | Int | Culvert | 0.005 | 4 | NA | NA | 104 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S15e | 221+29 | Eph | Culvert | 0.008 | 2 | NA | NA | 215 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S14e | 223+38 | Eph | Channel Change | 0.012 | 3 | NA | NA | 295 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S08e | 236+36 | Eph | Channel Change | 0.004 | 2 | NA | NA | 90 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S09i | 237+50 | Int | Culvert & Inlet/Outlet Channel | 0.0370 | 22 | 100 | Poor | 395 | 1.0 | 395 | Yes | 0 | NA | 0 | 0.00 | 0 | -395 | \$47,400.00 |
| S24e | 237+50 | Eph | Fill | 0.003 | 2 | NA | NA | 92 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S12e | 254+62 | Eph | Channel Change | 0.047 | 7 | NA | NA | 785 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S11e | 261+38 | Eph | Fill | 0.001 | 1 | NA | NA | 26 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S10p | 262+00 | Per | Bridge, no impact | 0.000 | 6080 | NA | NA | 0 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S07t | 268+44 | Int | Culvert | 0.009 | 22 | NA | NA | 94 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S07e | 279+00 | Eph | Channel Change | 0.147 | 10 | NA | NA | 525 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S06p | 302+76 | Per | Culvert & Inlet/Outlet Channel | 0.1332 | 800 | 135 | Poor | 362 | 1.5 | 543 | Yes | 0 | NA | 0 | 0.00 | 0 | -543 | \$65,160.00 |
| S25e | 337+14 | Eph | Culvert & Inlet/Outlet Channel | 0.005 | 5 | NA | NA | 94 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |

| | | | | Before Impact | | | | | After Impact | | | | | | | | | |
|--------|----------------|-------------|--------------------------------|--------------------|-------------------------|-------------------|-----------------|---------------|--------------|-------|----------------------|---------------------|-------------------|--------------|-------------|---------|-----------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Site # | Station Number | Stream Type | Type of Impact | Acreeage of Impact | Watershed size in acres | Initial RBP Score | Initial Quality | Impact Length | Ratio | Debit | Mitigation Required? | Predicted RBP score | Predicted Quality | Final Length | Final Ratio | Credits | Balance | In-Lieu Fee |
| S05i | 343+43 | Int | Culvert & Inlet/Outlet Channel | 0.044 | 416 | 153 | Average | 224 | 1.5 | 336 | Yes | 0 | NA | 0 | 0.00 | 0 | -336 | \$40,320.00 |
| S03e | 373+00 | Eph | Culvert & Inlet/Outlet Channel | 0.0311 | 9 | NA | NA | 459 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| S01e | 556+70 | Eph | Fill | 0.002 | 8 | NA | NA | 38 | NA | NA | No | 0 | NA | 0 | 0.00 | 0 | 0 | \$0.00 |
| | | | | | | | | | | | | | | | | | Total Fee | \$526,020.00 |

TABLE 3: US 127 - Clinton County - Man-Made Open-Water Pond Impact Summary*

| Site | Highway Station | Lat-Long | Sheet No. | Permit Type | Open Water Area (acres) | Estimated Stream Impact Length (ft) | Estimated Stream Impact Area (acres) | Estimated Stream Type | Estimated Stream RBP Score | Estimated Stream Quality | Rifle Pool Complex | Isolated | Mitigation Required |
|------|-----------------|--------------------|-----------|-------------|-------------------------|-------------------------------------|--------------------------------------|-----------------------|----------------------------|--------------------------|--------------------|----------|---------------------|
| P08 | 228+00 | 36.6021 85.1163 | 11 | NW 1/4 | 0.053 | 0 | 0.000 | none | na | na | No | Yes | No |
| P06 | 287+00 | 36.6895 85.1372 | 24 | NW 1/4 | 0.135 | 0 | 0.006 | none | na | na | No | Yes | No |
| P04 | 314+00 | 36.6743 85.1495 | 28 | NW 1/4 | 0.24 | 0 | 0.246 | none | na | na | No | Yes | No |
| P03 | 347+83 | 36.6909 85.1507 | 32 | NW 1/4 | 0.68 | 294 | 0.007 | EPI | na | FOUR | No | No | No |
| P10 | 392+18 | 36.6567 85.1689 | 31 | NW 1/4 | 0.071 | 0 | 0.000 | none | na | na | No | Yes | No |
| P02 | 455+00 | 36.7081 85.1500 | 40 | NW 1/4 | 0.306 | 0 | 0.009 | none | na | na | No | Yes | No |
| P09 | 459+00 | 36.7083 85.1493 | 40 | NW 1/4 | 0.127 | 0 | 0.009 | none | na | na | No | Yes | No |
| P01 | 559+40 | 36.7360 85.1337 | 42 | NW 1/4 | 0.184 | 0 | 0.008 | none | na | na | No | Yes | No |

* Estimated stream length, width, RBP score, and rifle-pool complex is based upon characteristics of the existing stream immediately upstream and/or downstream of the pond

Table 4: US 127 Clinton County: Item No. 8-165.01, 260.02, 260.10 - Wetland Impact Summary

| Item No. | Station | Area | Wetland Type | Impact | Regulatory Status | Impact Factor (Acres) | In-lieu Fee (\$) |
|------------------------|---------|------|--------------|--------|-------------------|-----------------------|------------------|
| 15 | 222+85 | W07 | PEM | Yes | None | 0.02 | \$0.00 |
| 32 | 346+00 | W06 | PEM | No | Nationwide 14 | 0.36 | \$25,920.00 |
| 32 | 347+90 | W02 | PEM | No | Nationwide 14 | 0.06 | \$0.00 |
| 38 | 382+66 | W01 | PEM | Yes | None | 0.009 | \$0.00 |
| TOTAL (jurisdictional) | | | | | | 0.42 | \$25,920.00 |

* In-lieu fee calculated as product of impacted area, 2:1 ratio, 0.2 for temporary loss, \$30,000 per acre

Appendix A:

Wetland Determination Data Forms

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 ACOE Wetland Delineation Manual)

| | | | |
|--|----------------------------------|----------------|--------------------------|
| Project Site: | US 127 realignment - Wetland W01 | Date: | 6/20/06 |
| Applicant/Owner: | KYTC | County: | Clinton |
| Investigators: | MTM, NCL | State: | KY |
| Do Normal Circumstances exist at the site? | | Yes | Community ID: W01 |
| Is the site significantly disturbed (Atypical Situation)? | | No | Transect ID: |
| Is the area a Potential Problem Area? (If yes explain on reverse) | | No | Plot ID: |

VEGETATION

| | Dominant Plant Species | Stratum | Indicator | | Dominant Plant Species | Stratum | Indicator |
|--|---------------------------|---------|-----------|----|------------------------|---------|-----------|
| 1 | <i>Typha latifolia</i> | Herb | OBL | 9 | | | |
| 2 | <i>Eleocharis obtuse</i> | Herb | OBL | 10 | | | |
| 3 | <i>Juncus effusus</i> | Herb | FACW + | 11 | | | |
| 4 | <i>Scripus georgianus</i> | Herb | OBL | 12 | | | |
| 5 | | | | 13 | | | |
| 6 | | | | 14 | | | |
| 7 | | | | 15 | | | |
| 8 | | | | 16 | | | |
| Percent of Dominant Plant Species that are OBL, FACW+, FACW, FACW-, FAC+, or FAC: | | | | | | | 100 % |
| Remarks: Farm pond with wetland fringe possibly due to drought | | | | | | | |

HYDROLOGY

| Recorded Data (Describe in Remarks) | | WETLAND HYDROLOGY INDICATORS | |
|-------------------------------------|-------------------------------------|------------------------------|---|
| Stream, Lake or Tide Gauge | | <i>Primary Indicators</i> | |
| Aerial Photographs | | ✓ | Inundated |
| Other (Describe in Remarks) | | ✓ | Saturated in Upper 12 Inches |
| No Recorded Data Available | | | Water Marks |
| | | | Drift Lines |
| Field Observations: | | | Sediment Deposits |
| 8 | Depth of Surface Water (Inches) | ✓ | Drainage Patterns in Wetlands |
| 0 | Depth to Free Water in Pit (Inches) | | <i>Secondary Indicator (2 or more required)</i> |
| 0 | Depth of Saturated Soil (Inches) | ✓ | Oxidized Root Channels in Upper 12 Inches |
| | | | Water-stained Leaves |
| | | | Local Soil Survey Data |
| | | | FAC-Neutral Test |
| | | | Other (Explain in Remarks) |
| Remarks: | | | |

SOILS

| | | | |
|--|------------------------------------|--|---|
| Map Unit Name (Series & Phase): | | Drainage Class: | |
| Taxonomy (Subgroup): | | Field Observations Confirmed Mapped type? | |
| Profile Description: | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) |
| | | | Mottle Abundance/Contrast |
| | | | Texture, Concretions, Structure, Etc. |
| 0-6 | | 10YR 3/1 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Hydric Soil Indicators | | | |
| | Histol | | Concretions |
| | Histic Epipedon | | High Organic Content in Surface Layer in Sandy Soils |
| | Sulfidic Odor | | Organic Streaking in Sandy soils |
| ✓ | Aquic Moisture Regime | | Listed on Local Hydric Soils List |
| | Reducing Conditions | | Listed on National Hydric Soils List |
| ✓ | Gleyed or Low-chroma Colors | | Other (Explain in Remarks) |
| Remarks: | | | |

WETLAND DETERMINATION

| | | | |
|---|-----|--|-----|
| Is Hydrophytic Vegetation Present? | Yes | Is Sampling Point Within a Wetland? | Yes |
| Is Wetland Hydrology Present? | Yes | | |
| Are Hydric Soils Present? | Yes | | |
| Remarks: ISOLATED Palustrine Emergent wetland Surrounded by mowed field possibly man-made pond | | | |

Location of Sampling Point: 36.688752; 85.158808

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 ACOE Wetland Delineation Manual)

| | | | |
|--|----------------------------------|----------------|----------------------|
| Project Site: | US 127 realignment - Wetland W02 | Date: | 6/20/06 |
| Applicant/Owner: | KYTC | County: | Clinton |
| Investigators: | MTM, NCL | State: | KY |
| Do Normal Circumstances exist at the site? | | No | Community ID: |
| Is the site significantly disturbed (Atypical Situation)? | | Yes | Transect ID: |
| Is the area a Potential Problem Area? (If yes explain on reverse) | | No | Plot ID: |

VEGETATION

| | Dominant Plant Species | Stratum | Indicator | | Dominant Plant Species | Stratum | Indicator |
|--|--------------------------------|---------|-----------|----|------------------------|---------|-----------|
| 1 | <i>Sagittaria latifolia</i> | Herb | OBL | 9 | | | |
| 2 | <i>Polygonum pensylvanicum</i> | Herb | OBL | 10 | | | |
| 3 | <i>Typha angustifolia</i> | Herb | OBL | 11 | | | |
| 4 | | | | 12 | | | |
| 5 | | | | 13 | | | |
| 6 | | | | 14 | | | |
| 7 | | | | 15 | | | |
| 8 | | | | 16 | | | |
| Percent of Dominant Plant Species that are OBL, FACW+, FACW, FACW-, FAC+, or FAC: | | | | | | | 100 % |
| Remarks: Pond with wetland fringe | | | | | | | |

HYDROLOGY

| Recorded Data (Describe in Remarks) | | WETLAND HYDROLOGY INDICATORS | |
|-------------------------------------|-------------------------------------|---|---|
| Stream, Lake or Tide Gauge | | <i>Primary Indicators</i> | |
| Aerial Photographs | | ✓ | Inundated |
| Other (Describe in Remarks) | | ✓ | Saturated in Upper 12 Inches |
| No Recorded Data Available | | ✓ | Water Marks |
| | | | Drift Lines |
| Field Observations: | | | Sediment Deposits |
| 0 | Depth of Surface Water (Inches) | ✓ | Drainage Patterns in Wetlands |
| 1 | Depth to Free Water in Pit (Inches) | <i>Secondary Indicator (2 or more required)</i> | |
| 0 | Depth of Saturated Soil (Inches) | ✓ | Oxidized Root Channels in Upper 12 Inches |
| | | ✓ | Water-stained Leaves |
| | | | Local Soil Survey Data |
| | | | FAC-Neutral Test |
| | | | Other (Explain in Remarks) |
| Remarks: | | | |

SOILS

| | | | |
|--|------------------------------------|--|---|
| Map Unit Name (Series & Phase): | | Drainage Class: | |
| Taxonomy (Subgroup): | | Field Observations Confirmed Mapped type? | |
| Profile Description: | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsel Moist) | Mottle Colors (Munsel Moist) |
| | | | Mottle Abundance/Contrast |
| | | | Texture, Concretions, Structure, Etc. |
| 0-2 | O | | |
| 2-6 | A | 10 YR 3/1 | |
| | | | |
| | | | |
| | | | |
| | | | |
| Hydric Soil Indicators | | | |
| | Histol | | Concretions |
| | Histic Epipedon | | High Organic Content in Surface Layer in Sandy Soils |
| | Sulfidic Odor | | Organic Streaking in Sandy soils |
| ✓ | Aquic Moisture Regime | | Listed on Local Hydric Soils List |
| | Reducing Conditions | | Listed on National Hydric Soils List |
| ✓ | Gleyed or Low-chroma Colors | | Other (Explain in Remarks) |
| Remarks: | | | |

WETLAND DETERMINATION

| | | | |
|---|-----|--|-----|
| Is Hydrophytic Vegetation Present? | Yes | Is Sampling Point Within a Wetland? | Yes |
| Is Wetland Hydrology Present? | Yes | | |
| Are Hydric Soils Present? | Yes | | |
| Remarks: Palustrine Emergent Wetland | | | |

Location of Sampling Point: 36.681172; 85.151196

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 ACOE Wetland Delineation Manual)

| | | | |
|--|----------------------------------|----------------------|---------|
| Project Site: | US 127 realignment - Wetland W06 | Date: | 6/26/07 |
| Applicant/Owner: | KYTC | County: | Clinton |
| Investigators: | MTM, NCL | State: | KY |
| Do Normal Circumstances exist at the site? | | Community ID: | |
| No | | | |
| Is the site significantly disturbed (Atypical Situation)? | | Transect ID: | |
| No | | | |
| Is the area a Potential Problem Area? (If yes explain on reverse) | | Plot ID: | |
| No | | | |

VEGETATION

| | Dominant Plant Species | Stratum | Indicator | | Dominant Plant Species | Stratum | Indicator |
|--|--------------------------------|---------|-----------|----|------------------------|---------|-----------|
| 1 | <i>Polygonum pensylvanicum</i> | Herb | OBL | 9 | | | |
| 2 | <i>Impatiens capensis</i> | Herb | FACW | 10 | | | |
| 3 | | | | 11 | | | |
| 4 | | | | 12 | | | |
| 5 | | | | 13 | | | |
| 6 | | | | 14 | | | |
| 7 | | | | 15 | | | |
| 8 | | | | 16 | | | |
| Percent of Dominant Plant Species that are OBL, FACW+, FACW, FACW-, FAC+, or FAC: | | | | | | 100 | % |
| Remarks: | | | | | | | |

HYDROLOGY

| Recorded Data (Describe in Remarks) | | WETLAND HYDROLOGY INDICATORS | |
|-------------------------------------|-------------------------------------|---|---|
| Stream, Lake or Tide Gauge | | <i>Primary Indicators</i> | |
| Aerial Photographs | | Inundated | |
| Other (Describe in Remarks) | | Saturated in Upper 12 Inches | |
| No Recorded Data Available | | ✓ | Water Marks |
| | | | Drift Lines |
| Field Observations: | | | Sediment Deposits |
| 0 | Depth of Surface Water (Inches) | ✓ | Drainage Patterns in Wetlands |
| 0 | Depth to Free Water in Pit (Inches) | <i>Secondary Indicator (2 or more required)</i> | |
| 18 | Depth of Saturated Soil (Inches) | ✓ | Oxidized Root Channels in Upper 12 Inches |
| | | ✓ | Water-stained Leaves |
| | | | Local Soil Survey Data |
| | | | FAC-Neutral Test |
| | | | Other (Explain in Remarks) |
| Remarks: | | | |

SOILS

| | | | |
|--|------------------------------------|--|---|
| Map Unit Name (Series & Phase): | | Drainage Class: | |
| Taxonomy (Subgroup): | | Field Observations Confirmed Mapped type? | |
| Profile Description: | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsell Moist) | Mottle Colors (Munsell Moist) |
| 0-6 | A | 10 YR 4/2 | |
| 6-18 | B | 10 YR 5/1 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Hydric Soil Indicators | | | |
| <input type="checkbox"/> | Histol | <input type="checkbox"/> | Concretions |
| <input type="checkbox"/> | Histic Epipedon | <input type="checkbox"/> | High Organic Content in Surface Layer in Sandy Soils |
| <input type="checkbox"/> | Sulfidic Odor | <input checked="" type="checkbox"/> | Organic Streaking in Sandy soils |
| <input checked="" type="checkbox"/> | Aquic Moisture Regime | <input type="checkbox"/> | Listed on Local Hydric Soils List |
| <input type="checkbox"/> | Reducing Conditions | <input type="checkbox"/> | Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> | Gleyed or Low-chroma Colors | <input type="checkbox"/> | Other (Explain in Remarks) |
| Remarks: | | | |

WETLAND DETERMINATION

| | | | |
|---|-----|--|-----|
| Is Hydrophytic Vegetation Present? | Yes | Is Sampling Point Within a Wetland? | Yes |
| Is Wetland Hydrology Present? | Yes | | |
| Are Hydric Soils Present? | Yes | | |
| Remarks: palustrine Emergent Wetland | | | |

Location of Sampling Point: 36.680532; 85.150245

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 ACOE Wetland Delineation Manual)

| | | | |
|--|----------------------------------|----------------|----------------------|
| Project Site: | US 127 realignment - Wetland W07 | Date: | 6/26/07 |
| Applicant/Owner: | KYTC | County: | Clinton |
| Investigators: | MTM, NCL | State: | KY |
| Do Normal Circumstances exist at the site? | | No | Community ID: |
| Is the site significantly disturbed (Atypical Situation)? | | No | Transect ID: |
| Is the area a Potential Problem Area? (If yes explain on reverse) | | No | Plot ID: |

VEGETATION

| | Dominant Plant Species | Stratum | Indicator | | Dominant Plant Species | Stratum | Indicator |
|--|---------------------------|---------|-----------|----|------------------------|---------|-----------|
| 1 | <i>Scripus georginus</i> | Herb | OBL | 9 | | | |
| 2 | <i>Juncus acuminatus</i> | Herb | OBL | 10 | | | |
| 3 | <i>Carex pensylvanica</i> | Herb | OBL | 11 | | | |
| 4 | | | | 12 | | | |
| 5 | | | | 13 | | | |
| 6 | | | | 14 | | | |
| 7 | | | | 15 | | | |
| 8 | | | | 16 | | | |
| Percent of Dominant Plant Species that are OBL, FACW+, FACW-, FAC+, or FAC: | | | | | | 100 | % |
| Remarks: pond with little water, converted to wetland. | | | | | | | |

HYDROLOGY

| Recorded Data (Describe in Remarks) | | WETLAND HYDROLOGY INDICATORS | |
|-------------------------------------|-------------------------------------|---|---|
| Stream, Lake or Tide Gauge | | <i>Primary Indicators</i> | |
| Aerial Photographs | | ✓ | Inundated |
| Other (Describe in Remarks) | | ✓ | Saturated in Upper 12 Inches |
| No Recorded Data Available | | ✓ | Water Marks |
| | | | Drift Lines |
| Field Observations: | | | Sediment Deposits |
| 2 | Depth of Surface Water (Inches) | | Drainage Patterns in Wetlands |
| 0 | Depth to Free Water in Pit (Inches) | <i>Secondary Indicator (2 or more required)</i> | |
| 1 | Depth of Saturated Soil (Inches) | ✓ | Oxidized Root Channels in Upper 12 Inches |
| | | ✓ | Water-stained Leaves |
| | | | Local Soil Survey Data |
| | | | FAC-Neutral Test |
| | | | Other (Explain in Remarks) |
| Remarks: | | | |

SOILS

| | | | |
|--|------------------------------------|--|---|
| Map Unit Name (Series & Phase): | | Drainage Class: | |
| Taxonomy (Subgroup): | | Field Observations Confirmed Mapped type? | |
| Profile Description: | | | |
| Depth (Inches) | Horizon | Matrix Color (Munsel Moist) | Mottle Colors (Munsel Moist) |
| | | | Mottle Abundance/Contrast |
| | | | Texture, Concretions, Structure, Etc. |
| 0-12 | A | 10 YR 4/2 | silt clay |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Hydric Soil Indicators | | | |
| <input type="checkbox"/> | Histol | <input type="checkbox"/> | Concretions |
| <input type="checkbox"/> | Histic Epipedon | <input type="checkbox"/> | High Organic Content in Surface Layer in Sandy Soils |
| <input checked="" type="checkbox"/> | Sulfidic Odor | <input type="checkbox"/> | Organic Streaking in Sandy soils |
| <input checked="" type="checkbox"/> | Aquic Moisture Regime | <input type="checkbox"/> | Listed on Local Hydric Soils List |
| <input type="checkbox"/> | Reducing Conditions | <input type="checkbox"/> | Listed on National Hydric Soils List |
| <input checked="" type="checkbox"/> | Gleyed or Low-chroma Colors | <input type="checkbox"/> | Other (Explain in Remarks) |
| Remarks: | | | |

WETLAND DETERMINATION

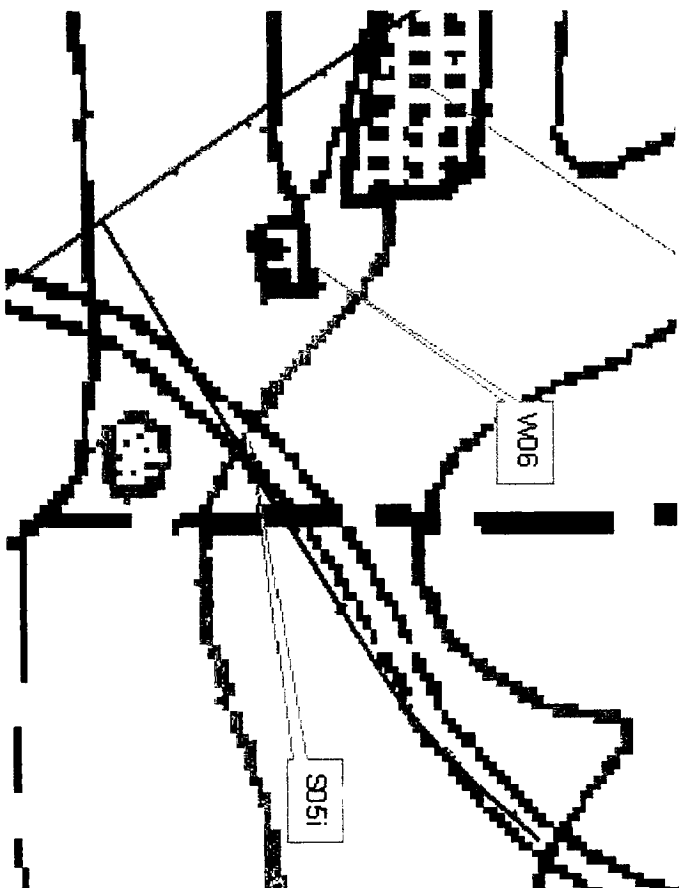
| | | | |
|---|-----|--|-----|
| Is Hydrophytic Vegetation Present? | Yes | Is Sampling Point Within a Wetland? | Yes |
| Is Wetland Hydrology Present? | Yes | | |
| Are Hydric Soils Present? | Yes | | |
| Remarks: ISOLATED | | | |

Location of Sampling Point: 36.664508; 85.113453

Appendix B:

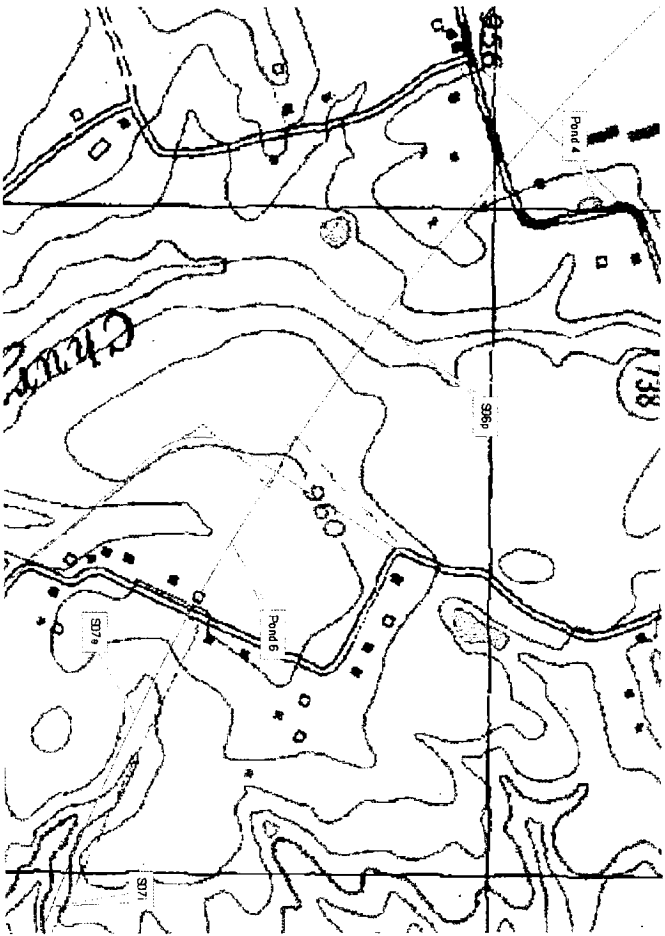
Selected Impact Sites: Site Locations, Photos, and RBP Scores

US 127 Realignment- Clinton County- Stream S05i



| RBP Habitat Parameters | |
|------------------------------------|-----|
| 1. Epifaunal Substrate | 18 |
| 2. Embeddedness | 17 |
| 3. Velocity/Depth Regime | 15 |
| 4. Sediment Deposition | 15 |
| 5. Channel Flow Status | 18 |
| 6. Channel Alteration | 13 |
| 7. Freq. Of Riffles (bends) | 15 |
| 8. Bank stability (both combined) | 14 |
| 9. Veg. Protection (both combined) | 16 |
| 10. Riparian Width (both combined) | 12 |
| Total Habitat Score | 153 |

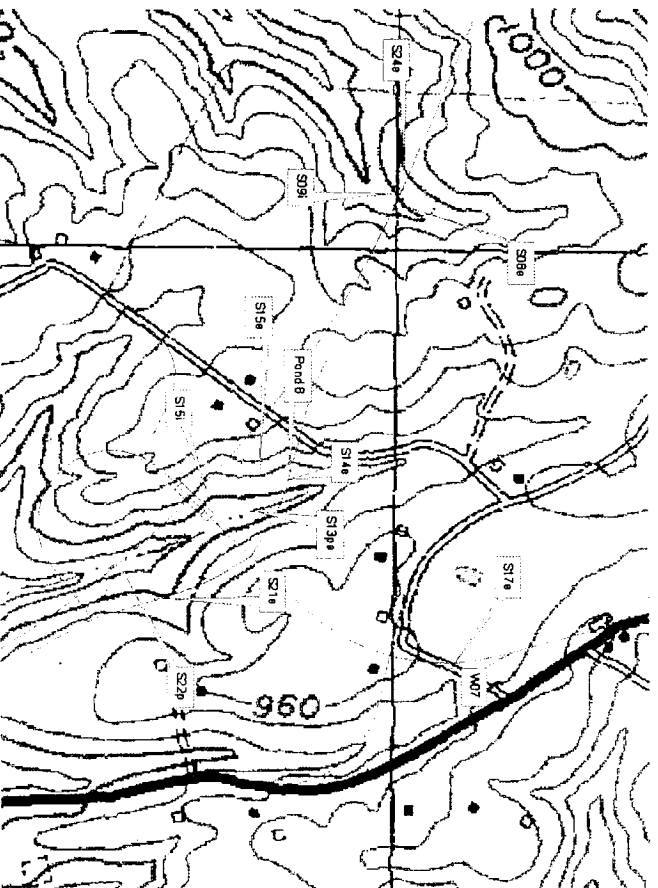
US 127 Realignment-Clinton County - Stream S06p



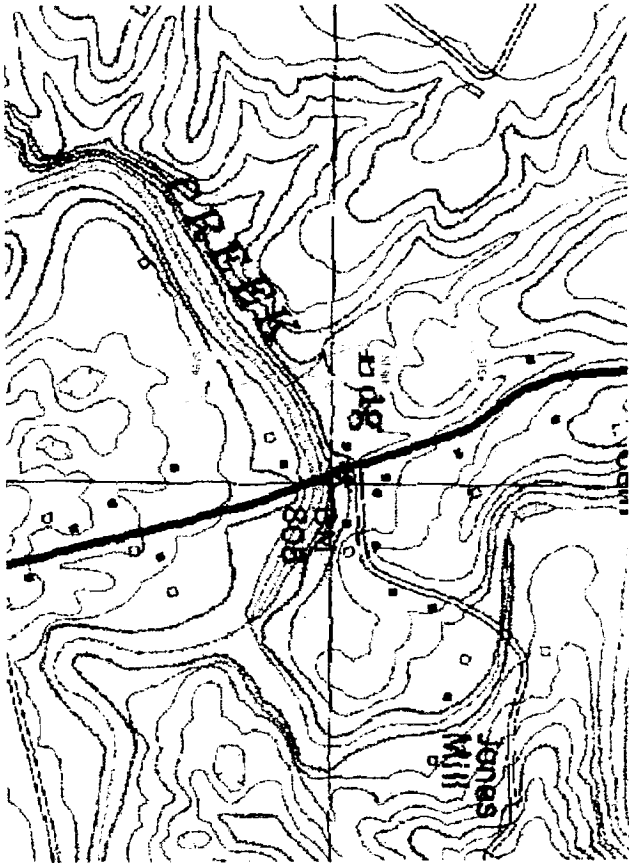
| RBP Habitat Parameters | |
|------------------------------------|-----|
| 1. Epifaunal Substrate | 17 |
| 2. Embeddedness | 8 |
| 3. Velocity/Depth Regime | 13 |
| 4. Sediment Deposition | 6 |
| 5. Channel Flow Status | 15 |
| 6. Channel Alteration | 18 |
| 7. Freq. Of Riffles (bends) | 17 |
| 8. Bank stability (both combined) | 13 |
| 9. Veg. Protection (both combined) | 14 |
| 10. Riparian Width (both combined) | 14 |
| Total Habitat Score | 135 |



US 127 Realignment- Clinton County- Stream S09i

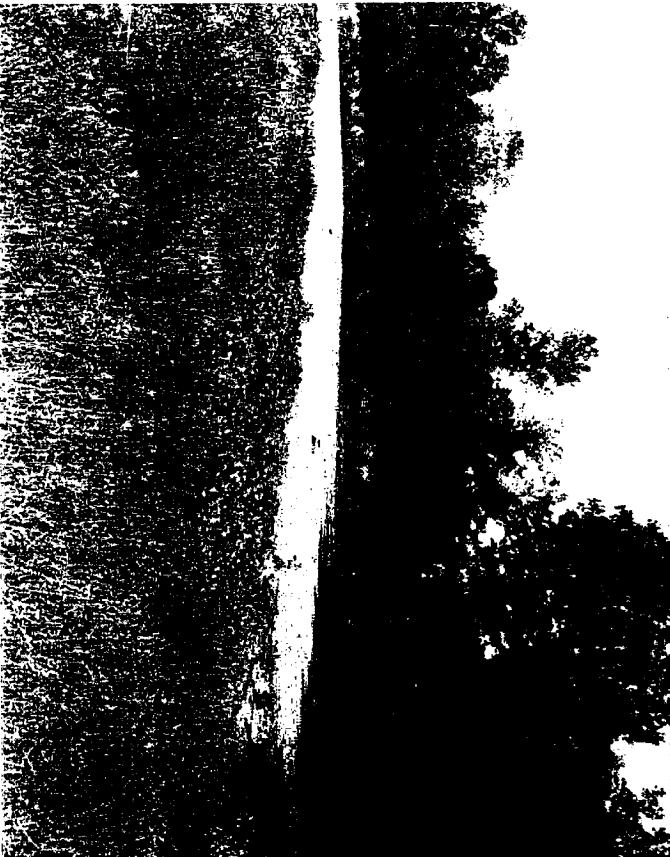
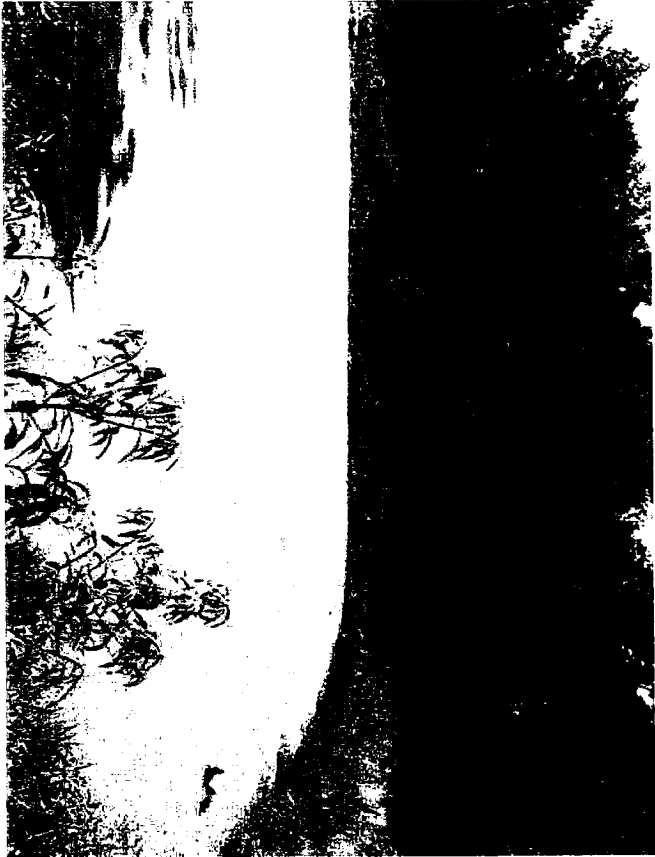
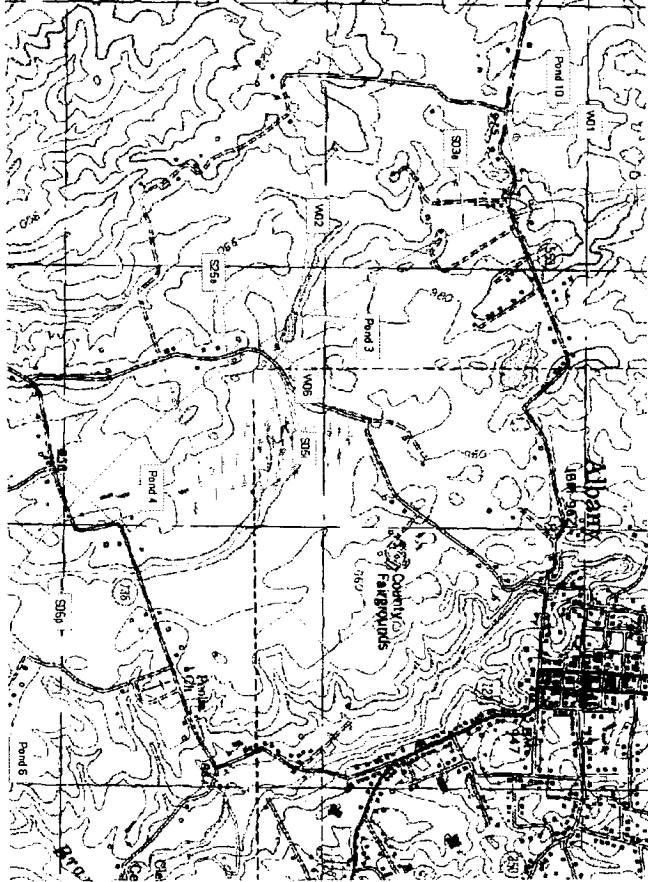


| RBP Habitat Parameters | |
|------------------------------------|-----|
| 1. Epifaunal Substrate | 11 |
| 2. Embeddedness | 8 |
| 3. Velocity/Depth Regime | 9 |
| 4. Sediment Deposition | 6 |
| 5. Channel Flow Status | 6 |
| 6. Channel Alteration | 16 |
| 7. Freq. Of Riffles (bends) | 14 |
| 8. Bank stability (both combined) | 10 |
| 9. Veg. Protection (both combined) | 14 |
| 10. Riparian Width (both combined) | 6 |
| Total Habitat Score | 100 |

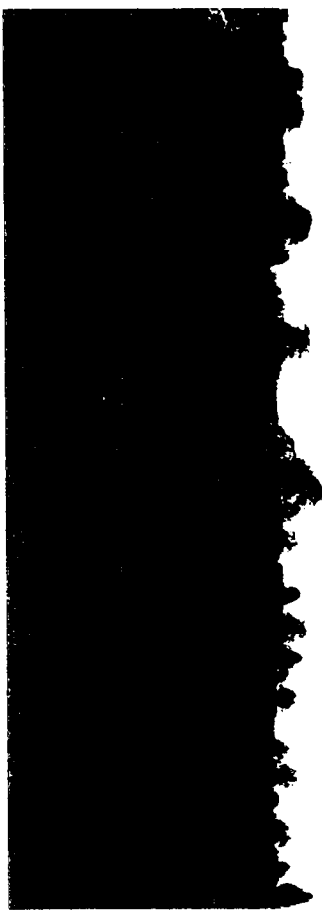
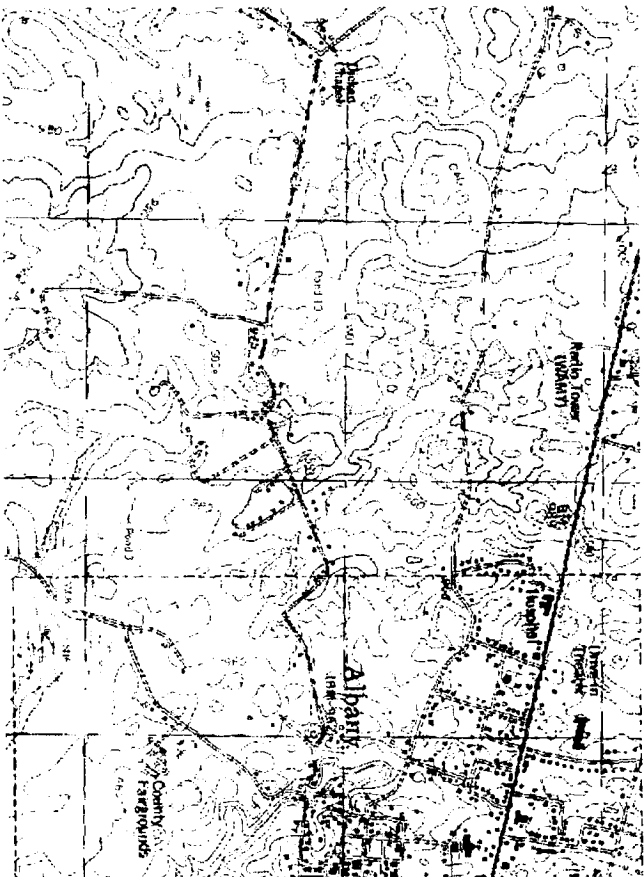


| RBP Habitat Parameters | |
|------------------------------------|-----|
| 1. Epifaunal Substrate | 12 |
| 2. Embeddedness | 14 |
| 3. Velocity/Depth Regime | 14 |
| 4. Sediment Deposition | 14 |
| 5. Channel Flow Status | 8 |
| 6. Channel Alteration | 15 |
| 7. Freq. Of Riffles (bends) | 13 |
| 8. Bank stability (both combined) | 7 |
| 9. Veg. Protection (both combined) | 8 |
| 10. Riparian Width (both combined) | 4 |
| Total Habitat Score | 109 |

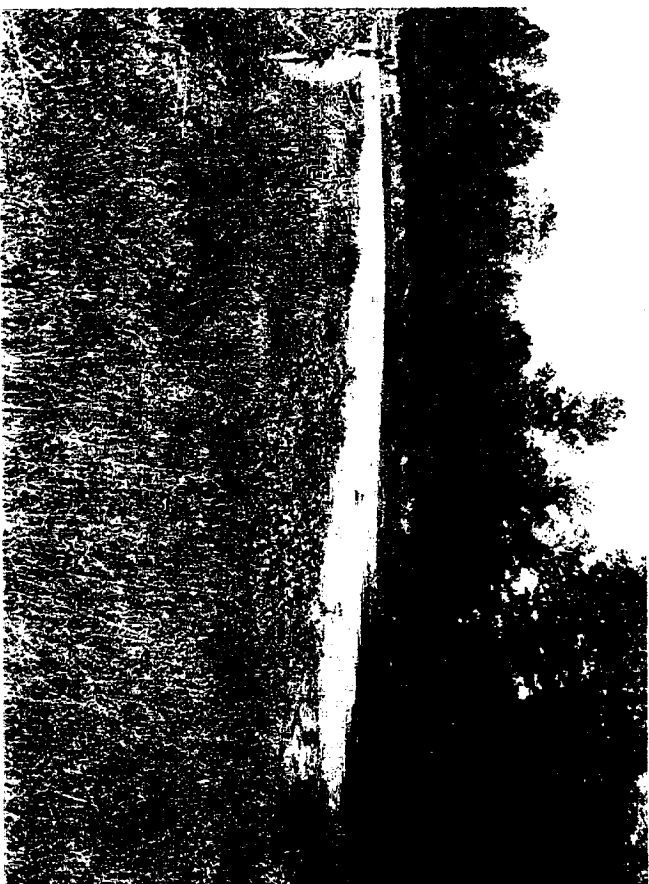
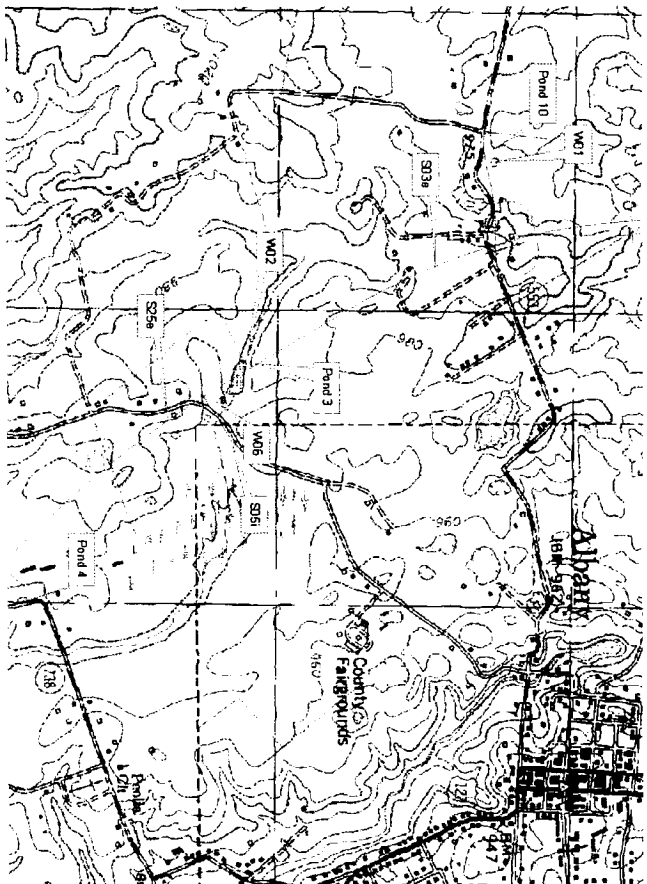
US 127 Realignment - Clinton County- Pond 3



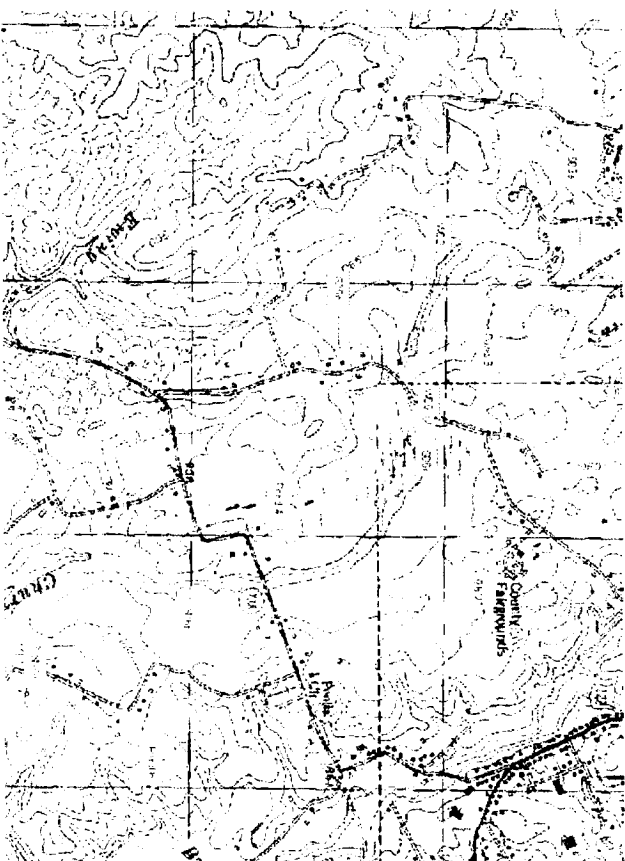
US 127 Realignment - Clinton County- Wetland W01 (Isolated)



US 127 Realignment - Clinton County- Wetland W02



US 127 Realignment - Clinton County- Wetland W06



US 127 Realignment - Clinton County- Wetland W07 (Isolated)

